Section A of Science Abstracts

SECTION A, PHYSICS: SECTION B, ELECTRICAL ENGINEERING

Physics Abstracts volume 63 1960

Published by THE INSTITUTION OF ELECTRICAL ENGINEERS

Savoy Place, London, W.C.2; in association with the Physical Society,

the Institute of Physics, the American Physical Society

and the American Institute of Electrical Engineers

U. OF I.

Committee of Management 1959-60

THE INSTITUTION OF ELECTRICAL ENGINEERS

THE PRESIDENT (ex officio)
L. G. BRAZIER, Ph.D., B.Sc., M.I.E.E.
J. A. BROUGHALL, B.Sc.(Eng.), M.I.E.E.
L. HARTSHORN, D.Sc., M.I.E.E.
R. L. SMITH-ROSE, C.B.E., D.Sc., Ph.D., M.I.E.E.

THE INSTITUTE OF PHYSICS AND THE PHYSICAL SOCIETY

J. H. AWBERY, M.A., B.Sc. (Chairman)
W. R. S. GARTON, D.Sc., A.R.C.S.
D. ROAF, M.A., D.Phil.
MISS A. C. STICKLAND, M.Sc., Ph.D.
L. R. G. TRELOAR, B.Sc., Ph.D., D.Sc., F.Inst.P.

THE ROYAL SOCIETY W. C. PRICE, Sc.D., F.R.S.

THE CENTRAL ELECTRICITY GENERATING BOARD H. W. GATEHOUSE, A.M.I.E.E.

OBSERVER FOR THE AMERICAN PHYSICAL SOCIETY T. H. OSGOOD, Ph.D.

Editorial

EDITOR

B. M. CROWTHER, M.A., Ph.D., F.Inst.P.

SECTION EDITOR (Physics)

H. JENKINS, B.Sc., A.Inst.P.

SECTION EDITOR (Electrical Engineering)

L. MACQUISTEN WALLACE, B.Sc., A.M.I.E.E., A.M.I.E.(Aust.).

ASSISTANT EDITORS (Physics)

J. R. DAY, B.Sc. MRS. J. M. L. BOLINGBROKE, B.Sc. N. R. FOWLER, A.R.C.S., D.I.C., F.Inst.P. A. M. LEVER, M.A. T. B. WRIGHT, B.Sc., A.R.C.S.

ASSISTANT EDITOR (Electrical Engineering)

R. W. PRIOR.

CONTENTS

Errata
Transliteration of Russian
for Bibliographical Purposes
Abstractors

Errata Transliteration of Russian for Bibliographical Purposes Abstractors	iv vii viii		List of Journals Author Index Subject Index List of Subject Index Headings					ix 2101 2487 2895				
MATHEMATICS	-	81	209	345	481	641	833	1035	1211	1421	1629	1827
ASTROPHYSICS	1	81	209	346	482	642	833	1035	1211	1422	1629	1828
PHYSICS	3	84	212	348	489	651	839	1042	1220	1433	1634	1859
General	3	84	212	348	489	651	839	1042	1220	1433	1634	1859
Gravitation. Relativity Quantum theory	5	85 86	212	349 350	490 491	652 654	839 840	1043 1046	1220 1222	1434 1436	1634 1637	1860 1863
Statistical mechanics. Transfer processes	6	87	214	350	492	656	841	1047	1222	1437	1638	1865
General mechanics	6	89	217	352	494	657	843	1049	1224	1440	1642	1869
Mechanical measurements	7	90	217	353	495	658	844	1049	1225	1441	1642	1871
Mechanics of fluids	7 9	90 91	217	353 355	495	658 663	844 850	1050 1051	1225 1227	1441	1643 1644	1872 1876
Liquid state Mechanics of gases	10	93	220	359	500	668	853	1055	1229	1451	1648	1884
Gaseous state	10	93	221	360	501	669	855	1055	1229	1452	1649	1886
Vacuum physics	11	96	221	361	502	670	858	1057	1230	1454	1650	1889
Vibrations. Acoustics	12 15	96 101	222 225	362 363	503 508	671 676	859 862	1057 1061	1230 1233	1454 1461	1651	1891
Optics. Photometry Geometrical and instrumental optics.	16	101	225	364	509	676	863	1062	1233	1462	1657	1902
Spectroscopy												
Physical optics	18	102	227	368	512	679	866	1065	1235	1466	1663	1908
Colorimetry. Photography	18 21	103	228 229	370 371	-514 514	681 682	867 867	1066 1066	1237 1237	1468 1468	1666 1667	1912 1912
Heat. Radiation Thermodynamics	22	105	230	373	517	687	872	1069	1240	1472	1669	1918
Low-temperature physics	22	105	231	373	517	687	872	1069	1240	1473	1669	1918
Electricity. Electrical measurements	-	107	232	374	519	690	883	-	1243	1475	1672	1923
Electrostatics. Dielectrics	23	107	232	375	520	691	884	1073	1244	1476	1672	1924 1925
Current electricity. Electrokinetics	24 24	108	233	376 377	521 522	691 692	885 885	1074	1244 1244	1476 1477	1672 1673	1926
Ionization Electric discharges	25	109	235	378	523	694	887	1075	1246	1479	1674	1928
Plasma	25	110	238	379	525	696	889	1076	1247	1482	1676	1930
Electron emission. Electron beams	26	112	240	381	527	698	892	1080	1249	1486	1678	1935
Ion emission. Ion beams	27 28	114	242	384 385	530 530	701	895 897	1083 1085	1251 1252	1487 1490	1680 1681	1941 1945
Particle accelerators Magnetism	28	115	244	385	531	703	899	1086	1253	1491	1682	1949
Electromagnetism. Magnetohydrodynamics	29	116	246	386	532	704	901	1088	1254	1492	1682	1951
Electromagnetic waves and oscillations	29	117	246	387	533	705	904	1090	1255	1494	1684	1954
Radiofrequency spectroscopy techniques	31	120	248	389	537	708	908	1092	-	1498	1687	1958
NUCLEAR AND ATOMIC PHYSICS	31	121	249	390	537	708	908	1093	1259	1499	1688	1959
Apparatus. Particle detectors	31	121	249	390	537	708 710	908 910	1093	1259 1266	1499 1503	1688 1694	1959 1963
Nuclear field theory Elementary particles	32 34	121 124	251 253	393 395	540 544	715	916	1093	1273	1510	1700	1970
Photons	34	124	253	396	545	715	917	1099	1273	1511	1701	1970
X-rays	34	-	254	397	546	716	917	1099	1274	1513	1702	1971
Neutrinos	24	125	255	397	- EAC	717	918 918	1100	1274 1275	1513 1513	1703 1703	1972
Electrons	34 35	125 125	255 255	397	546 547	717	919	1101	1275	1514	1704	1972
Nucleons Protons	36	126	256	398	547	718	919	1102	1276	1514	1705	1973
Neutrons	36	126	257	399	548	718	921	1103	1278	1516	1706	1975
Mesons	36	126	257	399	549	723	923	1104	1283	1517	1709	1976
Hyperons	38	129 130	261	402	552	725 725	927 928	1108 1108	1289 1290	1523 1525	1714 1714	1983 1984
Strange particles Deuterons	38	130	261 262	1	553 553	725	928	1109	1290	1525	1715	1984
Tritons	38	-	-	-	-	726	928	1109	1290	1525	1715	1984
Alpha-particles	17	130	1 - 1	402	553	726	928	-	1000	1505	1710	1984
Cosmic rays	38	130	262	402	554	726	929	1109	1290 1293	1525 1530	1716 1717	1984 1990
Nucleus Badioastivity Nuclear decay	39 42	132 135	263 265	403	555 558	728 732	934 938	1114	1293	1532	1723	1995
Radioactivity. Nuclear decay Nuclear reactions	43	137	267	409	564	737	944	1125	1304	1536	1729	2001
Nuclear reactions Nuclear power studies	46	145	271	415	571	748	954	1133	1313	1541	1736	2011
Atoms	46	145	272	417	574	751	955	1134	1322	1543	1737	2012
Wel-males	48	148	2.75	419	578	756	960	1137	1326	1547	1745	2018

275

578

756

48

Molecules

SOLID-STATE PHYSICS	51	153	279	427	588	767	966	1141	1329	1559	1759	2030
Lattice dynamics	51	155	279	427	588	768	966	1142	1331	1560	1760	2032
Defect properties	54	158	283	430	591	772	972	1148	1335	1563	1764	2037
Electrical properties of solids	55	161	286	433	594	775	976	1151	1340	1568	1769	2045
Semiconductors	56	162	287	434	595	776	978	1153	1341	1569	1772	2047
Photoconductivity	60	168	292	438	600	779	982	1159	1345	1577	1777	2051
Thermoelectric properties	61	169	293	438	601	780	983	1160	1346	1578	1778	2053
Dielectric properties	61	169	294	439	602	781	984	1160	1347	1579	1779	2054
Optical properties of solids	63	172	295	440	603	783	986	1161	1349	1581	1782	2055
Magnetic properties of solids	65	178	300	447	607	786	992	1166	1355	1589	1786	2061
Magnetic resonances	66	183	315	450	611	791	1004	1179	1367	1592	1791	2065
Mechanical properties of solids	67	185	319	454	615	793	1011	1184	1371	1597	1794	2068
Crystallography. Crystal structures	69	188	321	457	618	799	1014	1186	1374	1602	1800	2074
Various solid structures	71	193	328	466	623	808	1018	1192	1385	1610	1807	2079
X-ray and electron microscope examination	72	195	331	467	625	812	1020	1195	1389	1613	1811	2084
21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12	100	001	701	020	012	1020	1100	1000	1010	1011	2004
PHYSICAL CHEMISTRY	73	195	332	468	625	813	1021	1196	1390	1614	1812	2085
Thermochemistry. Reactions	73	195	332	468	625	813	1021	1196	1390	1614	1812	2085
Electrochemistry	-	197	335	469	626	815	1022	1197	1393	1615	-	2086
Photochemistry. Radiation chemistry	73	197	335	470	627	815	1022	1198	1394	1615	1813	2087
Dispersion. Colloids. Adsorption	73	198	336	471	627	817	1022	1198	1395	1616	1814	2088
Physical methods of chemical analysis	-	198	337	472	628	818	1024	1199	1397	1616	1815	2089
GEOPHYSICS	74	199	338	474	629	819	1025	1200	1397	1617	1815	2090
Atmosphere. Ionosphere	74	199	338	475	629	821	1026	1202	1400	1619	1817	2091
BIOPHYSICS. PHYSIOLOGICAL PHYSICS	79	206	341	479	635	829	1033	1209	1416	1628	1822	2100
Hearing. Speech	79	206	341	479	636	829		1209	1416	1628	1822	2100
Vision	80	207	342	480	638	829	1033	1210	1417	-	1824	-
TECHNIQUE. MATERIALS	80	208	344	480	640	831	1034	1210	1420	-	-	-

ERRATA

```
Author Index (1950) p. 1192, column 2: Zener, C.: for "3418" read "3415".
Abstr. 1814 (1952) line 4: for "4798 (1950)" read "4798 (1949)".
Abstr. 3563 (1953) line 11: for "Rh<sup>156</sup>" read "Rh<sup>106</sup>".
Abstr. 7864 (1955) line 2: for "A.Luyckz" read "A.Luyckx"
Subject Index (1955) p. 1517, column 1: Entries 1395 and 2344 under the heading
                                              "Double refraction, mechanical" to be
                                             transferred to the heading "Drops"
                       p. 1517, column 2: Entry 6970 under the heading "Drops" to
                                             be transferred to the heading "Double
                                              refraction, mechanical".
           42 (1956) line 3: for "March" read "May"
          100 (1956) line 4: for "March" read "May"
Abstr.
        1717 (1956) line 2: for "Y.Hirschberg" read "Y.Hirshberg".
2488 (1956) line 3: for "R.I.Hudson" read "R.L.Hudson".
Abstr.
Abstr.
         5497 (1956) line 2: for "S.B.Karmohapatra" read "S.B.Karmohapatro".
Abstr.
         5853 (1956) line 3: for "S.-S.Min" read "S.-S.Minn"
Abstr.
         7482 (1956) line 2: for "R.F.Chaudri" read "R.M.Chaudhri".
Abstr.
         7681 (1956) line 2: for "M.Govindree" read "M.Govinjee"
Abstr.
          905 (1957) line
                             2: for "M.B.P.Vittorelli" read "M.B.Palma Vittorelli".
         5107 (1957) line 3: for "Vol. 245" read "Vol. 243"
Abstr.
        5406 (1957) line 2: for "G.J.Batty" read "C.J.Batty"
Abstr.
Abstr.
         5651 (1957) line 3: for "P.Falk-Variant" read "P.Falk-Vairant".
         6026 (1957) line 2: for "H.Dallmann" read "H.Kallmann"
Abstr.
         6465 (1957) line 3: for "J.C.Perbay-Peyroula" read "J.C.Pebay-Peyroula".
         7784 (1957) line 3: for "Vol. 224" read "Vol. 244"
Abstr.
          671 (1958) line 2: for "J.C.Roucayol" read "J.C.Roucayrol".
Abstr.
          781 (1958) line 3: for "J.C.Perbay-Peyroula" read "J.C.Pebay-Peyroula".
Abstr.
        3699 (1958) line 2: for "E.R.Caianello" read "E.R.Caianiello".
Abstr.
         4847 (1958) line 3: for "LINE" read "LENS'
Abstr. 6089 (1958) line 2: for "R.M.Chaudri" read "R.M.Chaudhri".
Abstr. 6811 (1958) line 4: for "Myerson, A." read "Myerson, A.L."
Author Index (1958) p. 941, column 1: Oldroyd, J.G.: for "3557" read "3757".
p. 946, column 1: under Poincelot, P. For "224" read "244".
Subject Index (1958) p. 987, column 2: "MnSO<sub>4</sub> solutions": transfer entry "high
                                             pressure effects 8649" to "MgSO4 solutions"
                                             3 lines higher.
                       p. 995, column 2: "Atomic mass, Kr84,86": insert "8374"
                       p. 998, column 2: "P<sup>32</sup>": delete "B299", and insert "P<sup>39</sup> 8299".
p. 1004, column 1: "Cobalt compounds": 'transfer second entry
                                              "8892" to "Cold working".
```

```
Abstr. 661 (1959) line 2: for "E.O.Hittmair" read "O.Hittmair".
Abstr. 1457 (1959) line 4: for "I.B.Karpova" read "I.V.Karpova".
Abstr. 2038 (1959) line 2: for "W.Zimmerman" read "W.Zimmermann".
Abstr. 2169 (1959) line 3: for "B.R.Ramachandra Rao" read "B.Ramachandra Rao".
Abstr. 3475 (1959) line 2: for "M.Glisksman" read "M.Glicksman" Abstr. 3592 (1959) line 3: for "L.Levine" read "I.Levine".
Abstr. 6767 (1959) line 11: for "Seeman" read "Zeeman"
Abstr. 7682 (1959) line 12: for "hydrogeneration" read "hydrogenation".

Abstr. 9089 (1959) line 4: for "(Oct., 1958)" read "(Oct., 1956)".
Abstr. 11807 (1959) line 3: for "V.T.Telegdi" read "V.L.Telegdi".
Abstr. 11895 (1959) line 2: for "I.I.Pomeranchuk" read "I.Ya.Pomeranchuk".
Abstr. 12885 (1959) line 4: Journal reference should read "Izv. Akad. Nauk SSSR,
Ser. geofiz., 1959, No. 4, 617-20".

Abstr. 13364 (1959) line 2: for "W.Schaafs" read "W.Schaaffs".
Abstr. 13383 (1959) line 12: for "11 200" read "11 112".
                                  line 14: for "270" read "220".
                                  line 30: delete "by".
                                  line 31: for "5 μα" read "250 μα peak".
Abstr. 13575 (1959) line 5: for "Nacpaul" read "Nagpaul"
Abstr. 13666 (1959) line 3: for "I.Ostroumov" read "V.I.Ostroumov".
Abstr. 13776 (1959) line 3: for "Vol. 149" read "Vol. 14a".
Author Index (1959) p.1390, column 2: after Fritschen, L.J. and van Wijk, W.R., for
                                                                    "2891" read "12891".
                                  p.1398, column 1: lines 35-59 (thirteen entries, Gombas, P. to
                                                                   Goodman, L. and Frolen, L.J.) should be inserted
                                                                    alphabetically in column 1, lines 60 to end, and
                                  in column 2, lines 1 to 24.
p.1462, column 2: after "Neu,H." insert "Neubauer,F.R. and
                                                                    Fokker, A.D. The polarisation of solar radio
                                                                    emission at a frequency of 200 MHz, 5308"
                                                                  for 'Walker, R.E. and Westerberg, A.A." read
                                  p.1521, column 1:
                                                                    "Walker, R.E. and Westenberg, A.A."
Subject Index (1959) p.1572, columns 1 and 2: The entries "diamonds 11633" and
                                                                     "graphite 10988" under the heading "Crystal
                                                                    structure, atomic, inorganic compounds" to be
                                                                    transferred to the heading "Crystal structure,
                                                                    atomic, elements"
                                  p.1580, column 2: Last entry under the heading "Deuterons,
                                                                   scattering" (Abstract 6278-9) to be transferred
                                                                   to the heading "Crystals, etching".
Abstr. / 151 (1960) line 2: for "received" read "reviewed".
              847 (1960):
                                                add Abstractor's signature "A.H.Gabriel".
 Abstr. 1089 (1960) line 3: for "1870-5" read "1870-3"
Abstr. 1313 (1960) line 3: for "Landowitz" read "Landovitz".
Abstr. 1366 (1960) line 3: for "206-300" read "286-300".

Abstr. 2840 (1960) line 4: for "655-7" read "635-7".
line 6: for "Block" read "Bloch".
Abstr. 2924 (1960) line 3: "B.M.Golobin" read "B.M.Golovin".
Abstr. 3243 (1960) line 4: for "1958" read "1959".
Abstr. 3474 (1960) line 3: for "Yol. 65" read "Yol. 45".
Abstr. 3540 (1960) line 11: for "sulphide" read "sulphate".
Abstr. 4203 (1960) line 12: after "dioxide" insert comma, for "$\mu_{SO_0}$" read
where the state of the state o
Abstr. 4432 (1960) line
                                           3: insert page numbers "126-8"
Abstr. 4717 (1960) line 3: for "L.Lundén" read "A.Lundén"
Abstr. 5185 (1960) line 3: for "(1959)" read "(1957)".
Abstr. 5527 (1960) line 8: for "ΔG" read "ΔQ"
Abstr. 5533 (1960) line 3: for "Chou Guan-Cha
                                           3: for "Chou Guan-Chao" read "Chzhou
                                                 Guan-Chzhao"
Abstr. 5595 (1960) line 3: for "A.M.Baldwin" read "A.M.Baldin". Abstr. 5856 (1960) line 3: for "L.J.Cojan" read "J.L.Cojan".
Abstr. 6113 (1960) line 2: for "BULK OF GERMANIUM" read "BULK IN
                                                 GERMANIUM"
Abstr. 6239 (1960) line 2: for "M.Paulis" read "M.Paulus".
Abstr. 6577 (1960) line 4: insert "In Russian" at end of journal reference.
Abstr. 6620 (1960) line 9: for "109 and 1010 deg-K" read "108 and 109 deg-K".
                                           2: for "G.Toraldi di Francia" read "G.Toraldo di
Abstr. 6907 (1960) line
                                                 Francia"
Abstr. 7008 (1960) line 3: for "Vol. 41" read "Vol. 32".
Abstr. 7146 and 7147 (1960) line 3: for "LM Bronstein Tead "Chzhou Guan-Abstr. 7288 (1960) line 3: for "Chou Guan-chao" read "Chzhou Guan-
              7146 and 7147 (1960) line 3: for "I.M.Bronstein" read "I.M.Bronshtein".
Abstr. 7319 (1960) line 3: for "Chou Kuang-Chou" read "Chou Kuang-
                                                 Chao"
Abstr. 7743 (1960) line 4: for "Vol. 55" read "Vol. 45"; for "No. 5" read
                                                 "No. 7"
Abstr. 7851 (1960) line 13: for "cam/oK atom" read "cal/oKg atom".
Abstr. 7852 (1960) line 16: for 'cal/okg atom' read 'cal/oKg atom'.
```

```
Abstr. 7993 (1960) line 3: insert "In Russian" at end of journal reference.
Abstr. 8033 (1960) line 5: for "Vol. 41" read "Vol. 32"
Abstr. 8264 (1960) line 6; for "absorption" read "adsorption".

Abstr. 8611 (1960) line 3; for "Ziemkiewicz" read "Zienkiewicz".
         8264 (1960) line 6: for "absorption" read "adsorption"
Abstr. 8733 (1960) line 4: delete "Space Research Discussion, London, 1958
                                   (See Abstr. 8522 of 1960)".
Abstr. 8853 (1960) line 3: for "Faizulov" read "Faizullov"
Abstr. 9168 (1960) line 3: for "Yu.N.Vandakurov" read "Yu.V.Vandakurov".
Abstr. 9169 (1960) line 3: for "K.M.Stanyukovich" read "K.P.Stanyukovich".
         9186 (1960) line 15: for "Mz" read "Mz"
Abstr. 9217 (1960): reference should read: Zh. tekh. Fiz., Vol. 29, No. 7, 815-18
                         (July, 1959). In Russian. English translation in: Soviet
                          Physics-Technical Physics (New York), Vol. 4, No. 7, 736-9
                         (Jan., 1960).
Abstr. 9335 (1960) line 3: for "Vol. 15" read "Vol. 45".
Abstr. 9521 (1960) line 3: for "Sklyareskii" read "Sklyarevskii".

Abstr. 9634 (1960) line 3: for "B.G.Neudachin" read "V.G.Neudachin".
Abstr. 9882 (1960) line 3: for "J.F.Cotnwell" read "J.F.Cornwell".
Abstr. 10307 (1960) line 6: for "F.W.Cockow" read "F.W.Cuckow".

Abstr. 10807 (1960) last line: for "transferring" read "heat-transferring".

Abstr. 11284 (1960) line 2: for "G.Briet" read "G.Breit".
Abstr. 11457 (1960) line 3: for "I.Bondarenko" read "I.I.Bondarenko"
Abstr. 11719 (1960) line 3: for 'G.E. Zilberman' read 'G.E. Zil'berman'.
Abstr. 11944 (1960) line 3: for "H.Watanake" read "H.Watanabe".
Abstr. 12019 (1960) line 3: for "F.Fujimato" read "F.Fujimoto".
Abstr. 12041 (1960) line 12: for "1.5°" read "1.5%".
Abstr. 12233 (1960) line 2: for "WIENER-HOPE" read "WIENER-HOPF".
Abstr. 12931 (1960) line 3: for "M.J.Moravisik" read "M.J.Moravcsik".
Abstr. 13137 (1960) line 8: after "ground" insert "state"
Abstr. 13400 (1960): insert journal reference: Phys. Rev., Vol. 119, No. 2,
                           691-3 (July 16, 1960).
Abstr. 13458 (1960) line 2: for "J.Riddell, Jr" read "R.J.Riddell, Jr".

Abstr. 13490 (1960) line 14: for "M.E.Priestley" read "M.G.Priestley"

Abstr. 13536 (1960) line 5: for "A.D.Belyaeu" read "A.D.Belyaev".
Abstr. 13830 (1960) line 12: for "M.E.Priestley" read "M.G.Priestley"
Abstr. 13940 (1960) line 3: for "A.I.Roitburg" read "A.I.Roitburd". Abstr. 14001 (1960) line 4: for "Lane" read "Laue".
Abstr. 14058 (1960) line 5: for"pressure" read "presence".
Abstr. 15121 (1960) line 3: for "Ya.S.Uflyanol" read "Ya.S Uflyand".
Abstr. 15611 (1960) line 3: for "H.Narum" read "H.Narumi";
                        line 4: for "(June, 1960)" read "(June, 1959)",
Abstr. 16836 (1960) line 5: for "W = MR TB\alpha" read "W = MR/TB\alpha".
Abstr. 17488 (1960) line 3: for "M.Hammermesh" read "M.Hamermesh".
Abstr. 18054 (1960) line 3: for "G.B.Abdullayev" read "G.B.Abdullaev".
May (1960) p. 638: Abstract serial number "5613" should read "6513".
Oct. (1960) p. 1449: for Abstract number "134654" read "14654".
```

English		Cyrillic	English		Cyrillic
Letters	Languages	Letters	Letters	Languages	Letters
				1 3 4	
a	RSB	Aa	P	RSB	Пп
b	RSB	Бб	r	RSB	Pp
ch	RSB	Чч	s	RSB	Cc
d	RSB	Дд	sh	RSB	Шш
e	RSB	Еe	shch	R	Щщ
ë	R	Ëë	sht	В	Щщ
é	R	Ээ	t	RSB	Тт
ê	R B	\$ \$	t'	R B	Ть ть
f	RSB	Фф	t'	S	T h
g	RSB	Гг	th	R	Θ θ
i	RSB	Ии	ts	RSB	Цц
ī	R	Ii	-t-s	RSB	TCTC
ĭ	R B	Йй	u	RSB	Уу
j	S	ŲŲ	ŭ	В	Ъъ
j'	S	Ъъ	ū	В	ЖЖ
k	RSB	Кк	v	RSB	Вв
kh	RSB	Хх	у	S	Jj
1	RSB	Лл	y	R	Ыы
1'	R B	Љљ	ÿ	R	VV
1'	S	Љъ	ya	R B	RR
m	RSB	Мм	yu	R B	Юю
n	RSB	Нн	z	RSB	3 3
n'	R B	НЬ нь	zh	RSB	жж
n'	S	Њњ	6 2	R	Ъъ
0	RSB	00	,	R B	Ьь

The use of l', n' and t' in Russian and Bulgarian (where they are not transliterations of a single letter, but merely l, n or t followed by the soft sign) is included to emphasize the fact that they are used for single letters only in Serbian.

Shch and sht invariably represent the letter ${\rm I\!I\!I}$, in Russian and Bulgarian respectively, since the pairs of letters (${\rm I\!I\!I}$ in Russian and ${\rm I\!I\!I}$ in Bulgarian) seem never to occur consecutively in the respective languages.

The above table is reproduced, by permission, from the pamphlet "The Transliteration of Russian, Serbian and Bulgarian for Bibliographical Purposes" published by The Royal Society, Burlington House, London, W.1 (February, 1953, price 1s. 0d.). It represents the system at present in use in "Science Abstracts" for the transliteration of the names of journals and the names of authors of articles abstracted.

ABSTRACTORS

J.Adam, Ph.D. S.A.Ahern, Ph.D., A.Inst.P. C.B.Allsopp, M.A., Ph.D., D.Sc., F.Inst.P. T.J.Anderson, B.Sc. F.Ansbacher, Ph.D. G.D.Archard, Ph.D. J.H.W.Arends, Ir. R.G.C.Arridge, B.Sc., B.A., M.A., A.Inst.P. E.A.Ash, Ph.D., A.C.G.I., D.I.C. A.Ashmore, Ph.D., F.Inst.P. T.H.D.Attewell, B.Sc. B.B.Austin, B.Eng. A.Avraam, B.Sc D.J.Bailey, A.M.I.E.E. F.A.Baker, B.Sc., M.Sc J.M.Baker, M.A., D.Phil. I.D.L.Ball, B.Sc. R.A.Ballinger, B.Sc. Ph.D. E.H.W.Banner, M.Sc., M.I.Mech.E., F.Inst.P., M.I.E.E. D.R.Barber, B.Sc., F.Inst.P., F.R.A.S., F.R.P.S. I.Bardos W.Bardsley, B.Sc., Ph.D., A.Inst.P. C.F.Barnaby, B.Sc., M.Sc. R.F.Barrow, M.A., D.Phil., B.Sc., A.R.C.S. V.Barzach, Dipl.Ing.E.T.H., A.M.I.E. (Aust.) C.J.Batty, Ph.D. N.G.Batty, B.Sc., M.Sc., A.H.W.Beck, B.Sc.(Eng.), A.M.I.E.E. G.N.J.Beck, B.Sc., A.Inst.P., A.M.I.E.E. C.J.M.Benard, Ing. (Mech. Eng.) R.Berman, M.A., D.Phil. W.Bezdel, Dipl.Ing., A.M.I.E.E. J.B.Birks, B.A., Ph.D., D.Sc., F.Inst.P., A.M.I.E.E. W.T.Blackband, M.Sc., A.M.I.E.E. A.Boksenberg, B.Sc., Ph.D. L.Bovey, B.A., Ph.D., F.Inst.P. V.Bradić, Dipl.Ing. T.P.Brody, B.Sc., Ph.D. G.S.Brosan, Ph.D., B.Sc.(Eng.), M.I.E.E., Mem. A.I.E.E., D.F.H., A.C.Brown, B.Sc.(Eng.), M.I.R.E. [F.R.A.S. A.F.Brown, M.A., Ph.D., F.Inst.P., F.R.S.E. B.Brown, B.Sc., Ph.D. D.E.Brown, M.A. G.E.Brown, Ph.B., Ph.D., D.Sc. G.M.Brown, M.A., M.Sc., F.R.A.S., A.Inst.P. R.Bullough, B.Sc., Ph.D., A.Inst.P. E.J.Burge, B.A., Ph.D., A.Inst.P. J.E.Caffyn, B.Sc., F.Inst.P. W.A.Cameron, B.Sc., A.M.I.E.E. L.G.Carpenter, B.A., B.Sc., F.Inst.P. T.R.Carson, Ph.D. G.Carter, B.Sc., Ph.D. J.M.Cassels, Ph.D. T.A.Chalmers, Ph.D. R.G.Chambers, M.A., Ph.D. B.Chaudhuri, B.Sc., Dr.Ing. G.A.Chisnall, M.Sc. H.J.Chivers, B.Sc., Ph.D. S.Chomet, M.Sc. R.V.Coates, B.Sc., Ph.D., A.Inst.P. R.W.J.Cockram, Assoc.I.Mech.E., A.M.I.E.E., A.F.R.Ae.S. H.C.Cole, M.Sc P.Collins, A.M.I.E.E I.Cooke, B.Sc., Ph.D. N.Corcoran, B.A.(Com.), M.Sc. Tech., A.M.I.E.E. V.E.Cosslett, M.A., Ph.D. C.D.Cox, B.Sc., M.Sc., Ph.D. J.D.Craggs, M.Sc., Ph.D., F.Inst.P. G.I.Crawford, B.Sc., Ph.D., A.Inst.P. L.E.Cross, Ph.D. H.E.Crowcroft, A.M.I.E.E. L.Csuros, Ph.D., Dipl.Ing., A.M.I.E.E. N.Curle, B.Sc., M.Sc., Ph.D. P.M.Davidson, B.A., Ph.D.

R.D.Davies, M.Sc., Ph.D. R.O.Davies, M.Sc., D.Phil. N.Davy, D.Sc. P.J.Dean, B.Sc., Ph.D. A.E.De Barr, B.Sc., F.Inst.P. G.C.Deli, B.Sc. E.M.Dembinski, Dipl.Ing. A.M.I.E.E. I.C.Demetsopoullos, M.Sc. B.Dentskevich, B.Sc., B.E. H.Dickinson, B.Sc. Tech., A.M.C.T., A.M.I.E.E., Mem. A.I.E.E M.R.Dickson, B.Sc.(Eng.), A.M.I.E.E. E.H.Dock, M.Sc., A.R.C.S., D.I.C., F.Inst.P. J.D.Dowell, M.Sc., Ph.D. J.S.Dowker, B.Sc. A.T.Dover, M.I.E.E. G.du Cloux B.Dunford, B.Sc. S.C.Dunn, M.Sc., A.M.I.E.E. J.Dutton, Ph.D., A.Inst.P. M.Ebert, Dr.rer.nat. H.Edels, B.Sc. Tech., Ph.D., A.M.I.E.E. D.M.Edwards, B.Sc., A.R.C.S. R.Eisenchitz, Dr.phil., D.Sc., F.Inst.P. E.Erdélyi, Ph.D., Dipl.Ing., A.M.I.E.E., Mem. A.I.E.E. J.A.Evans, B.Sc. F. Fallside, B.Sc., M.A., Ph.D. F.T.Farmer, B.Sc.(Eng.), Ph.D., F.Inst.P., M.I.E.E. L.B. Firnberg, B.Sc. (Eng.), A.C.G.I. R.W.Fish, M.Sc., A.R.C.S. T.R. Foord, Ph.D., Wh.Sch., A.M.I.E.E. J. Franks, Ph.D., A.Inst.P. J.H.Fremlin, D.Sc., F.Inst.P., A.M.I.E.E. C.Fromberg, B.Sc., M.Sc., A.Inst.P. A.H.Gabriel, B.Sc., Ph.D., A.Inst.P. F.C.Gair, M.Sc. N.H.Gale, B.Sc., A.R.C.S. J.W.Gardner, B.Sc., Ph.D. G.F.Garlick, D.Sc., F.Inst.P. K.C.Garner, B.Sc.(Eng.), A.M.I.E.E. A.G.Gaydon, D.Sc., F.R.S. M.L.Gayford, B.Sc.(Eng.), A.C.G.I., D.I.C., A.M.I.E.E. D.M.Gilbey, B.Sc., A.R.C.S. W.D.Gilmour, B.A., A.M.I.E.E. G.Gimpel, B.Sc.(Eng.), D.I.C., A.M.I.Mech.E. R.C.Glass, M.A., B.Sc., A.M.I.E.E., F.R.A.S. M.Goldberg, B.Sc. R.H.Golde, Ph.D., D.Sc., M.I.E.E., Assoc.Mem. A.I.E.E. E.W.Golding, M.Sc. Tech., M.I.E.E., Mem. A.I.E.E. S.J.Goldsack, B.Sc., Ph.D. J.Goldstone, M.A., Ph.D. W.Good, D.Sc., A.R.C.S.T., A.R.I.C. C.H.L.Goodman, B.Sc., M.A. J.E.Gore, B.Sc., Ph.D. J.H.B.Gould. M.A.Grace, M.A., D.Phil. P.Gray, B.Sc. A.M.Green, B.Sc. L.L.Green, M.A., Ph.D. D.L.Greenaway, B.Sc., Ph.D. W.J.Grek, A.C.T. (Birm.) J.H.Gunn, B.Sc. I.D.C.Gurney, M.A., Ph.D. V.J. Hammond, B.Sc., Ph.D. E.F.Hansford, B.Sc., A.M.I.E.E. G.V. Hargreaves, B.Sc. Tech., A.M.I.E.E., A.M.C.T. M. Hasan, B.Sc., Ph.D. R.Hawley, B.Sc., Assoc. Mem. A.I.E.E. J.Hawgood, B.A., D.Phil. A.S.Hay, B.Sc. J.T.Hayden, B.Sc.(Eng.), A.C.G.I., D.I.C., A.M.I.E.E. C.Hazard, B.Sc., Ph.D. R.F.S.Hearmon, F.Inst.P. S.T.Henderson, M.A., Ph.D., B.Sc., F.R.I.C., F.Inst.P. W.A.Hepner, Ph.D.

F.Herbut, Grad. Phys. R.Herdan, B.Sc. A.E.D. Heylen, B.Sc. (Eng), Ph.D. J.F.Hill, B.Sc. C.Hilsum, B.Sc., F.Inst.P. F.E.Hoare, Ph.D., A.R.C.S., D.I.C. H.H.Hodgson, M.A., B.Sc., Ph.D., F.S.D.C., F.R.I.C. J.N.Hodgson, B.Sc., Ph.D., A.Inst.P. G.F.Hodsman, Ph.D., F.Inst.P. C.A. Hogarth, Ph.D., F.Inst.P. D.G.Holloway, B.Sc., Ph.D., A.Inst.P. J.Holt, B.Sc., Ph.D. M.R.Hopkins, M.Sc., Ph.D., F.Inst.P. T.Horrocks, B.Sc.(Eng.), A.M.I.E.E. J.M. Hough, M.A. R.D.Hudson, B.Sc. K.F.Hulme, M.A., Ph.D. H.F.Hunt, B.Sc., M.I.E.E. S.E.Hunt, B.Sc., Ph.D., F.Inst.P. D.J.Huntley, B.A.Sc. J.Iball, D.Sc., F.Inst.P., F.R.S.E. A.J.Ingels, B.Sc. R.G.Jakeman, D.Sc.(Eng.), M.I.E.E. J.Jarzynski, M.Sc. H.Jefferson, M.A., A.M.I.E.E., A.Inst.P. T.O.Jeffries, M.A., D.Phil., A.Inst.P. H.G.Jerrard, B.Sc., Ph.D., F.Inst.P. N.L.Johnson, Ph.D. R.H.W.Johnston, Ph.D. W.M.Jones, B.A., B.Sc., Ph.D. R.J.Jordan, M.I.E.E., Mem. A.I.E.E. W.G.Jordan, Mag. Phil. P.K.Kabir, M.Sc., Ph.D. A.E.Karbowiak, Ph.D., A.M.I.E.E. A.Karlsbad, Dipl.Ing., M.I.E.E. S.Katz, B.S., M.A., Ph.D. A.E.Kay, Ph.D. M.J.Kearsley, M.A., D.Phil. R.C.Kell, B.Sc., A.M.I.E.E., A.Inst.P. E.W.Kellermann, Dr.Phil. Ph.D., F.Inst.P. S.A.Kemura, Dipl.Ing. C.W.Kilmister, B.Sc., Ph.D. N.Klein, Dipl.Ing., D.Sc., A.M.I.E.E. H.R.J.Klewe, Dr.phil., M.I.E.E. E.G.Knowles, M.Sc., D.I.C., A.Inst.P. Z.Koprowski, M.Sc.(Tech.), Dipl.Ing. Z.A.A.Krajewski, B.Sc.(Eng.) Z.Krasucki, B.Sc. F. Lachman, Dipl. Ing. Chem. A.Landman, Dipl.Ing., M.I.E.E. P.T.Landsberg, M.Sc., Ph.D., D.I.C. J.P.A. Lascoux, Agr.E.N.S. J.W.Lee, B.Sc.(Eng.) J.W.Leech, B.Sc., Ph.D., F.Inst.P. A.A.Linsell, A.C.G.I., A.M.I.E.E. P.Linton, B.Sc., A.M.I.Mech, E., A.M.I.E.E. D.Llanwyn-Jones, B.Sc. G.I.W.Llewelyn, B.Sc., Ph.D., A.R.I.C. H.London, Dr.phil. F.R.S. D.H.Lord, B.Sc. G.F.Lothian, M.A., F.Inst.P. E.J. Maanders, Ir. (Elect. Eng.) D.V.Mabbs, B.Sc., Ph.D., A.Inst.P. J.MacCormack, B.Sc. A.L.Mackay, M.A., Ph.D., F.Inst.P. R.McKeague, B.Sc., Ph.D., A.Inst.P. L.Mackinnon, M.A., Ph.D. K.G. Major, B.Sc. M.W.Makowski, Dipl.Ing., Ing.E.S.E., A.M.I.E.E. J.R.Mallard, B.Sc., Ph.D., A.Inst.P. C.R.S.Manders, M.A., M.Sc., Ph.D., F.Inst.P. A.J.Manuel, Ph.D. G.Martelli, D.Phys. J.H.Mason, B.Sc., Ph.D., A.Inst.P., A.M.I.E.E. R.E.Meads, M.A., D.Phil. C.H.B.Mee, B.A., M.Sc., Ph.D. B.Meltzer, B.Sc., Ph.D., F.Inst.P. J.W.Menter, Ph.D. E.G.Michaelis, B.Sc., Ph.D., A.Inst.P. H.Miller, M.A., Ph.D., F.Inst.P.

H.A.Miller, A.M.I.E.E. W.J. Mitchell, B.Sc., A.M.I.E.E. G.A.Montgomerie, B.Sc., A.M.I.Mech.E., A.M.I.E.E. C.G.Morgan, M.Sc., Ph.D., A.Inst.P. P.G.Morgan, B.Sc.(Eng.) H. Morrison, B.A. G.Mott. B.Sc. H.Motz, M.A., M.Sc., Dr.Ing., F.Inst.P., A.M.I.E.E. T.Mulvey, M.Sc., A.M.I.E.E. N.Murcott, B.Sc. L.E.Mussell, B.Sc., A.Inst.P. E.A.Mussett, B.Sc., Ph.D., A.Inst.P., D.I.C. H.Mykura, Ph.D., A.Inst.P. H.L.Nattrass, M.Sc. R.Neumann, Dipl.Ing., A.M.I.Mech.E. R.A.Newing, Ph.D., A.R.C.S., F.R.A.S. R.W.Nicholls, Ph.D., D.Sc.(London University), A.R.C.S., A.Inst.P., H.Norel, Dipl.Ing., A.M.I.E.E. J.G.Oldroyd, M.A., Ph.D., Sc.D. D.J.Oliver, Ph.D., A.Inst.P. W.J.Orville-Thomas, Ph.D. M.W.Ovenden, M.A., B.Sc., Ph.D., F.R.A.S. D.S.Parasnis, B.Sc., M.Sc. H.D.Parbrook, Ph.D., A.Inst.P. P.M.Parker, B.S., M.S., Ph.D. R.Parker, B.Sc., Ph.D. A.P.Paton, B.Sc.(Eng.), A.M.I.E.E. J.E.Paton, B.Sc. A.M.Patrick A.V.Payne, M.A. T.E.Peacock, B.Sc., Ph.D., A.R.I.C., A.Inst.P. R.Peart, B.Sc R.S.Pease, M.A. R.F.Peierls, B.A., Ph.D. A.W.Penn, B.Sc. O.Penrose, B.Sc., Ph.D. R.J.N.Phillips, Ph.D. L.Pincherle, Ph.D. F.A.E.Pirani, B.Sc., M.A., D.Sc., Ph.D., F.R.A.S. C.F.Pizzey, K.W.Plessner, Ph.D. A.K.Podkolinski, Dipl.Ing., A.M.I.E.E. R.A. Pope, B.Sc. J.G.Powles, M.Sc., Ph.D., D.es Sc., F.Inst.P. M.G. Priestley, B.A. F.Quelon, B.Sc., A.C.G.I. V.Quittner, Dr.phil. D.E.Rae, M.A., A.M.I.E.E. J.D.Rands, B.Sc. M.P.Rathbone, M.Eng., A.M.I.C.E., A.M.I.E.E. R.S.Read, M.A., B.Sc., A.R.C.S., F.Inst.P. G.H.N.Reay, M.I.E.E. R.Reed, M.Sc., Ph.D. A.Reiss, B.Sc. H.Rishbeth, B.A., M.A., Ph.D. F.F.Roberts, B.Sc. (Eng.), A.M.I.E.E. L.M.Roberts, M.A., A.Inst.P. P.Roman, Dr.phil. P.Rothwell, M.A. A.J.Rouse. V.M.Rout, B.Sc., M.Sc., F.R.A.S., A.Inst.P. S.J.St-Lorant, B.A. A.J.Salmon, B.Sc., Ph.D., A.Inst.P., A.M.I.E.E. E.A.Sanderson, B.Sc., Ph.D. D.M.Schlapp, M.A., Ph.D., A.Inst.P. H.E.Schmid, Ph.D. R.Schnurmann, Ph.D., M.Sc., F.Inst.P., F.Inst.Pet. A.Sczaniecki, Dipl.Ing. L.G.Sebestyen, Dipl.Ing., A.M.I.E.E. E.F.W.Seymour, M.A., D.Phil., A.Inst.P. R.C.Seymour, B.Sc., A.Inst.P.
J.Sheridan, M.A., D.Phil., D.Sc.
R.S.Sidorowicz, Dipl.Ing., D.I.C., A.M.I.E.E. J.M.Silberstein, Dipl.Ing., A.M.I.E.E. G.D.Sims, M.Sc., Ph.D., A.R.C.S., D.I.C., A.M.I.E.E. J.K.Skwirzynski, B.Sc., A.R.C.S. M.H.Sloboda, Dipl.Ing. R.D.Smith, M.A., Ph.D. J.Smuts, B.Sc.(Eng.) M.S.Sodha, Ph.D.

ABSTRACTORS

H.G.M.Spratt, B.Sc., M.I.E.E. D.W.L.Sprung, B.A. E.J.Squires, Ph.D. J.M.Stagg, M.A., D.Sc. A.O.Stanesby, M.A., A.M.I.E.E. H.J.H.Starks, Ph.D., D.I.C., F.Inst.P. G.H.Stearman, B.Sc.(Eng.), A.M.I.E.E. W.Steckelmacher, B.Sc., F.Inst.P. H.Sterling, A.M.I.E.E. C.E.Stille, B.Sc.(Eng.), A.C.G.I., D.I.C., A.M.I.Mech, E., A.M.I.E.E. R.B.Stinchcombe, B.Sc. W.R.Stoker, B.Sc.(Eng.), M.I.E.E. A.R.Stokes, M.A., Ph.D., A.Inst.P. W.G.Stripp, A.M.I.E.E. J.W.Sturgess, M.Sc., Ph.D., A.Inst.P., A.M.I.E.E. J.B.Sykes, M.A., D.Phil. R.Syski, B.Sc., D.I.C., Dipl.Ing. P.Szekely, Dipl.Eng. J.C. Taylor, M.A., Ph.D. K.N.R. Taylor, Ph.D. H.N.V. Temperley, Sc.D., M.A. J. Thewlis, D.Sc., F.Inst.P. A.P.C. Thiele, B.Sc. K.A. Thomas, M.A., D. Phil. R.H.Thomas, B.Sc., Ph.D., A.Inst.P. T.S.E. Thomas, B.Sc., Ph.D. F.P. Thomson, D.J. Thouless, M.A., Ph.D. S. Tolansky, Ph.D., D.Sc., F.R.S. W.G. Townsend, Ph.D., A.Inst.P. T.C. Toye, B.Sc., A.Inst.P. P.T. Trent, B.Sc., Ph.D.

D.J. Truslove, B.Sc. (Eng.), Ph.D., A.M.I.E.E. C. Turner, D. Phys., A. Inst. P. A. Tybulewicz, B.Sc. Z.F.Voyner, Dipl.Ing P.A.Walker, B.Sc., Ph.D. W.A.Walker, B.Sc., A.R.I.C. D.Walsh, B.Sc., A.Inst.P. J.W.T.Walsh, M.A., D.Sc., M.I.E.E. F.R.Walter, K. Walters, M.Sc., Ph.D. D.R.W.Way, B.A. R.A.Weale, Ph.D., A.Inst.P. S.Weintroub, M.A., F.Inst.P. W.T.Welford, D.Sc., Ph.D., A.Inst.P. V.G.Welsby, Ph.D., A.M.I.E.E. D.H.Whiffen, M.A., D.Phil. A.C. Whiffin, Ph.D., M.Sc. (Eng.), B.Sc., A.M.I. Mech, E. A.Wilkinson, B.Sc. C.E.Williams, B.Sc., M.Sc., A.Inst.P. G.C.Williams, M.Sc., Ph.D., F.Inst.P. B.T.M.Willis, B.A., Ph.D., A.Inst.P. A.P.Wilmshurst, A.C.G.I., A.M.I.E.E. B.J.Wilson, M.A. J.S.Wilson, M.Eng., A.M.I.E.E. E.P.Wohlfarth, D.Sc., Ph.D., B.Sc., F.Inst.P. A.B.Wood, D.Sc., F.Inst.P. E.R. Wooding, Ph.D., A.R.C.S., D.I.C., A.Inst.P. A. Woroncow, Dipl.Ing. J.S. Young, B.Sc. (Eng.), A.M.I.E.E. P.A. Young, M.Sc., A.R.C.S., D.I.C., F.R.A.S. V.V.Zakharov, M.Sc., A.Inst.P., M.I.R.E. J.M.Zarzycki, M.Sc., A.Inst.P.

A.E.I. Research Laboratory. Abstracts signed thus have been contributed by members of the staff of the Research Laboratory of Associated Electrical Industries, Ltd., Aldermaston, Berkshire.

The names of abstracting journals from which abstracts have been reprinted are given at the end of the "List of Journals".

Abstracts without signature have been prepared from the summary published with the article, except for a small number prepared by the editorial staff of "Science Abstracts".

LIST OF JOURNALS

The following list gives the full titles of journals referred to in "Science Abstracts", arranged in alphabetical order of the abstractated titles used in the abstracts. Every endeavour has been made to ensure that the addresses given are those in use at the time of going to press, but as changes are continually being made no guarantee can be given of the accuracy of every entry.

The appearance of a title in this list does not necessarily imply that the journal is received regularly by "Science Abstracts". Material for abstracting comes from many sources, including borrowed copies of journals and reprints supplied by authors. Furthermore, some of the abstracts are reproduced, by permission, from other abstracting periodicals (as indicated at the foot of the abstract), and in these cases the name of the abstracting organization (from whom further information should be sought) is given in the list in place of the address of the journal, when the latter is not known. Particulars of the abstracting organizations are given at the end of this list.

It should be emphasized that an abstract is only published in 'Science Abstracts' when an article or book is believed to be generally available. No abstracts are published of dissertations, reports or memoranda with limited circulation, unless copies have been deposited with several public libraries and are available from the publishers; nor of papers presented orally at meetings, unless precis of substantial length are published in the normal way. Thus the appearance of an abstract in "Science Abstracts" may generally be taken as an indication that the original is publicly available, and if it cannot be located in a library, application should be made to the publisher, at the address given in this list. In the case of books, the assistance of a bookseller should be sought. The original cannot be obtained from "Science Abstracts", though ussistance will gladly be given in cases of special difficulty.

The contractions of journal titles used with the abstracts, while following the general form of those in the "World List of

Scientific Periodicals" (3rd ed. London, Butterworths Scientific Publications, 1952), differ from them in some cases, to enable the title of the journal to be recognized more readily. General similarity will be found with the contractions used in "Chemical Abstracts", which have recently been adopted by the journals of the American Institute of Physics. To assist in the interpretation of contracted titles, adjectives are printed with a small initial letter, unless they form part of a proper name.

For the benefit of those who are unfamiliar with the form and purpose of such abstracting periodicals as "Science Abstracts", it may be said that each abstract is a summary of an article (or book) published elsewhere, the title of the article (or its English translation) being given at the beginning of the abstract. The "reference", printed immediately after the title and author, gives the name and date of the journal where the article was printed and the appropriate pages. In general, title, author and reference are usually required for the unambiguous identification of an article (e.g. in a bibliography), though the reference alone is sufficient for the location of the article. For books, the town of publication, the name of the publisher, and the year are given in the reference.

The form of the "reference", giving volume number, issue number, pages and date, will, it is hoped, be self-explanatory. It should be emphasized that the date given refers, in nearly every case, to the "issue" or "number" containing the article abstracted; in some cases, particularly when papers are issued separately, the "volume" when bound may bear a different date. The date given is that recorded on the issue, not the actual date of publication or receipt, unless so stated. When the volume carries no number, the year is given in its place.

If no indication of language is given in the abstract, the article may be assumed to be in English. This does not necessarily hold, however, for abstracts reproduced from other abstracting periodicals giving no indication of language.

A.C.E.C. Rev.

A.C.E.C. Revue. — Ateliers de Constructions Electriques de Charleroi, Avenue Emile Rousseau, Marcinelle-Charleroi. [French - language edition].

E.G. Mitt.

A.E.G. Mitteilungen. — Allgemeine Elektricitäts-Gesellschaft, Hohenzollerndamm 150, Berlin-Grunewald. [A translation of selected articles is published as: A.E.G. Progress].

.E.G. Progress

A.E.G. Progress. — Allgemeine Elektricitäts-Gesellschaft, Hohenzollerndamm 150, Berlin-Grunewald. [English translations of selected articles from: A.E.G. Mitteilungen].

A.E.I. Engng Rev.

A.E.I. Engineering Review. (Replaces: B.T.H. Activities, Metropolitan-Vickers Gazette, Siemens Edison Swan Journal)
— Associated Electrical Industries, 33 Grosvenor Place, S.W.1.
A.E.I. Res. Lab. Repr.

A.E.I. Research Laboratory Reprint (Formerly: British Thomson-Houston Research Laboratory Publication).

— Associated Electrical Industries, Rugby.

Associated Electrical industries, Rugby.

A.E.I. tech. Monogr.

A.E.I. Technical Monograph (Formerly: B.T.H. Technical Monograph). — Associated Electrical Industries, Rugby.

American Society for Testing Materials. Bulletin. — 1916 Race Street, Philadelphia, Pa.

T.E.J.

A.T.E. Journal. — Automatic Telephone and Electric Co., Strowger Works, Liverpool 7.

A.W.A. tech. Rev.

A.W.A. Technical Review. — Amalgamated Wireless Australasia, 554 Parramatta Road, Ashfield, New South Wales.

Abhandl. Braunschw. Wiss. Gesell.

Abhandlungen der Braunschweigischen Wissenschaftlichen Gesellschaft. — Publisher: Friedr. Vieweg, Brunswick.

Abhandl. Dtsch. Akad. Wiss. Berlin, Kl. Math. Phys. Tech.
Abhandlungen der Deutschen Akademie der Wissenschaften,
Klasse für Mathematik, Physik und Technik. — Publisher:
Akademie-Verlag, Mohrenstrasse 39, Berlin W.8.

Acad. R.P. Romine Bul. Sti. Sect. Sti. Mat. Fiz.
Academia Republicii Populare Romine Buletin Stiintific.
Sectiunea de Stiinte Matematice si Fizice — Libraria Academiei R.P.R., Calea Victoriei 27, Bucarest.

Acta chem. Scand.

Acta Chemica Scandinavica. — Ejnar Munksgaard,

Nörregade 6, Copenhagen.

Acta cryst.

Acta Crystallographica. — International Union of Crystallography. Publisher: Ejnar Munksgaard, Nörregade 6, Copenhagen. Subscription address: Polycrystal Book Service, G.P.O. Box 620, Brooklyn 1, N.Y.

Acta electronica

Acta Electronica. — 23 Rue du Retrait, Paris 20.

Acta metallurgica

Acta Metallurgica. — P.O. Box 1088, Schenectady, N.Y. Publisher: Pergamon Press (Acta Metallurgica), 122 East 55th Street, New York 22, N.Y.

Acta phys. Austriaca

Acta Physica Austriaca. — Springer-Verlag, Mölkerbastei 5, Vienna I.

Acta phys. Hungar.

Acta Physica Hungarica. — Magyar Tudományos Akadémia Könyvtára, Akadémia-utca 2, Budapest 5. Subscription address: "Kultura" Foreign Trade Company for Books and Newspapers, Népköztársaság utja 21, Budapest 6. Acta phys. Polon.

Acta Physica Polonica. — Polska Akademia Nauk. Subscription address: PKWZ "Ruch", ul. Wilcza 46, Warsaw.

Acta polytech. Scand.

Acta Polytechnica Scandinavica. Subseries (Electrical Engineering Series, El; Mathematics and Computing Machinery Series, Ma; Physics including Nucleonic Series, Ph). — Scandinavian Council for Applied Research. Publication address: P.O. Box 5073, Stockholm 5.

Acta tech. (Prague)

Acta technica. — Československá Akademie Věd. Publication address: Jindřišská 14, Prague 3.

Acta tech. Hungar.

Acta Technica Academiae Scientiarum Hungaricae.
— Magyar Tudományos Akadémia Könyvtára, Akadémiautca 2, Budapest 5. Subscription address: "Kultura" Foreign Trade Company for Books and Newspapers, Népköztarsaság útja 21, Budapest 6.

Acustica

Acustica. — S. Hirzel Verlag, Stuttgart.

Advances in Phys.

Advances in Physics. (Quarterly Supplement of the Philosophical Magazine). — Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4.

Agric. horticult. engng Abstr.

Agricultural and Horticultural Engineering Abstracts. — British Society for Research in Agricultural Engineering, National Institute for Agricultural Engineering, Wrest Park, Silsoe, Beds.

Akust. Beih.

Akustische Beihefte. — Issued under the auspices of the international journal Acustica. The pagination is continuous with that of Acustica.

Akust. Zh.

Akusticheskii Zhurnal. — Akademiya Nauk SSSR, Lenin Prospekt, Moscow. [A translation is published as: Soviet Physics — Acoustics].

Allis Chalmers elect. Rev.

Allis-Chalmers Electrical Review. — Allis-Chalmers, Milwaukee 1, Wisconsin.

Alta Frequenza

Alta Frequenza. — Associazione Elettrotecnica Italiana, Via San Paolo 10, Milan.

Amer. J. Phys.

American Journal of Physics. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

An. Acad. Brasil. Cienc.

Anais da Academia Brasileira de Ciências.
— Caixa Postal 229, Rio de Janeiro.

An. Mecan. Elect.

Anales de Mecanica y Electricidad. — Reina 31, Madrid.

An. Real Soc. Espan. Fis. Quim.

Anales de la Real Sociedad Española de Física y Química. Serie A (Física). — Ciudad Universitaria, Madrid.

Analyt. Chem.

Analytical Chemistry. — American Chemical Society, 1155 Sixteenth Street N.W., Washington 6, D.C.

Ann. Acad. Sci. Fennicae

Annales Academiae Scientiarum Fennicae. Series AI (Mathematica); Series AII (Chemica); Series AIII (Geologica-Geographica); Series AVI (Physica).

— Snellmaninkatu 9-11, Helsinki.

Ann Acfas

Annales de l'Acfas. — Association Canadienne-Française pour l'Avancement des Sciences, Université de Montréal, 2900 Boulevard du Mont Royal, Montreal 3.

Ann. Assoc. Internat. Calcul Analogique
Annales de l'Association internationale pour le Calcul
Analogique. — Publisher: Presses Academiques Europeennes,
98 Chaussee de Charleroi, Brussels 6.

Ann. Astrophys.

Annales d'Astrophysique. — Service des Publications du C.N.R.S., 15 Quai Anatole-France, Paris 7.

Ann. Astrophys. Suppl.

Suppléments aux Annales d'Astrophysique. — Service des Publications du C.N.R.S., 15 Quai Anatole-France, Paris 7.

Annales de la Faculté des

Annales de la Faculté des Sciences de l'Université de Toulouse. — Published by: Gauthier-Villars, 55 Quai des Grands Augustins, Paris 6. Ann. Franc. Chronom.

Annales Françaises de Chronometrie. — Service des Publications du C.N.R.S., 15 Quai Anatole-France, Paris 7

Ann. Geofis.

Annali di Geofisica. — Istituto Nazionale di Geofisica, Città Universitaria, Rome.

Ann. Geophys.

Annales de Géophysique. — Service des Publications du C.N.R.S., 15 Quai Anatole-France, Paris 7.

Ann. Inst. Fourier

Annales de l'Institut Fourier. — Place du Doyen Gosse, Grenoble (Isère).

Ann. Inst. Poincare

Annales de l'Institut Henri Poincaré. — 11 Rue Pierre-Curie, Paris 5.

Ann. Phys. (Leipzig)

Annalen der Physik. — J.A.Barth, Salomonstrasse 18 B, Leipzig, C.1.

Ann. Phys. (New York)

Annals of Physics. — Academic Press, 111 Fifth Avenue, New York 3, N.Y.

Ann. Phys. (Paris)

Annales de Physique. — Masson, 120 Boulevard Saint-Germain, Paris 6.

Ann. Radioelect.

Annales de Radioélectricité. — Compagnie Générale de T.S.F., Centre Documentation de la CSF, 101 Boulevard Murat, Paris 16.

Ann. sci. Ecole Normale Super.

Annales Scientifiques de l'École Normale Supérieure. — Publisher: Gauthier-Villars, 55 Quai des Grands-Augustins, Paris 6.

Ann. Soc. Sci. Bruxelles

Annales de la Société Scientifique de Bruxelles.

— 11 Rue des Récollets, Louvain.

Ann. Telecomm.

Annales des Télécommunications. — Centre National d'Études des Télécommunications. Subscription address: Société de la Revue d'Optique, 3 et 5, Boulevard Pasteur, Paris 15.

Ann. Univ. Turku

Annales Universitatis Turkuensis. Ser. AI (Astronomica-Chemica-Physica-Mathematica). — Turun Yliopiston Turku, Finland.

Annu. Fac. Phil. Skopje, Sect. Sci. nat.

Annuaire de la Faculté de Philosophie de l'Université de Skopje, Section des sciences naturelles. (Godišen Zbornik) — Institut de Physique de la Faculté de Sciences, Postanski fah 146, Skopje (Macedonia), Yugoslavia.

Annu. Proc. Assoc. Socs S. Africa

Annual Proceedings of the Associated Scientific and Technical Societies of South Africa. — Kelvin House, Marshall and Holland Streets, P.O. Box 5907, Johannesburg.

Annu. Rep. Sci. Works Fac. Sci. Osaka Univ.

Annual Report of Scientific Works from the Faculty of Science, Osaka University. — Osaka University, Nakanoshima, Osaka.

Appl. Math. Ser. Nat. Bur. Stand.

Applied Mathematics Series, National Bureau of Standards.

— U.S. Government Printing Office, Washington 25, D.C.

Appl. sci. Res.

Applied Scientific Research. Section A (Mechanics, Heat, Chemical Engineering, Mathematical Methods); Section B (Electrophysics, Acoustics, Optics, Mathematical Methods).

— Martinus Nijhoff, The Hague.

Appl. Spectrosc.

Applied Spectroscopy. — Society for Applied Spectroscopy. Publication address: P.O. Box 1228, 417 Cleveland Avenue, Plainfield, New Jersey.

Applic. and Industr.

Applications and Industry. — Part II of the Transactions of the American Institute of Electrical Engineers [Trans Amer. Inst. Elect. Engrs].

Arch. Automat. Telemekh.

Archiwum Automatyki i Telemekhaniki. — Polska Akademia Nauk, Zaklad Automatyki. Subscription address: PKWZ "Ruch", ul. Wilcza 46, Warsaw.

Arch. elekt. Ubertragung

Archiv der elektrischen Übertragung. — S. Hirzel Vorlag, Stuttgart.

Arch. Elektrotech. (Berlin)

Archiv für Elektrotechnik. - Springer-Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf (West Berlin): Neuenheimer Landstrasse 28-30, Heidelberg.

Arch. elektrotech. (Warsaw)

Archiwum Elektrotechniki. - Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Subscription address: PKWZ "Ruch", ul. Wilcza 46, Warsaw.

Arch. Math. Naturvid.

Archiv for Mathematik og Naturvidenskab. - Faculty of Mathematics and Science, University of Oslo, Blindern. per Oslo.

Arch. Mech. Stos.

Archiwum Mechaniki Stosowanej. - Polska Akademia Nauk, Instytut Podstawowych Problemow Techniki, Palac Kultury i Nauki, Warsaw.

Arch. Rational Mech. Anal.

Archive for Rational Mechanics and Analysis. - Springer-Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf.

Archives des Sciences. - Société de Physique et d'Histoire Naturelle de Genéve. Subscription address: Librairie Payot, 40 Rue du Marchè, Geneva.

Arch, tech. Messen

Archiv für technisches Messen und industrielle Messtechnik. - R.Oldenbourg, Rosenheimer Str. 145, Munich 8.

Ark. Astron.

Arkiv för Astronomi. - Kungliga Svenska Vetenskapsakademien, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm.

Ark. Fys.

Arkiv för Fysik. - Kungliga Svenska Vetenskapsakademien, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm.

Ark. Geofys.

Arkiv för Geofysik. - Kungliga Svenska Vetenskapsakademien, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm.

Arkiv för Kemi. — Kungliga Sver/ska Vetenskapsakademien, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm.

Ark. Mat.

Arkiv. för Matematik. - Kungliga Svenska Vetenskapsakademien, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm.

Ark. Mineral.

Arkiv för Mineralogi och Geologi. - Kungliga Svenska Vetenskapsakademien, Stockholm 50. Subscription address: Almqvist & Wiksell, Gamla Brogatan 26, Stockholm.

Asea Journal. — Allmanna Svenska Elektriska AB, Västerås; Fuller Electric Ltd., Fulbourne Road, London, E.17.

Astron. J. Astronomical Journal. - American Institute of Physics,

335 East 45th Street, New York 17, N.Y. Astron. Zh.

Astronomicheskii Zhurnal. - "Akademkniga", ul. Kuibysheva 8, Moscow. [A translation is published as: Soviet Astronomy - AJ].

Astrophys. J.

Astrophysical Journal. - University of Chicago Press, 5750 Ellis Avenue, Chicago 37, Illinois.

Astrophys. Norveg.

Astrophysica Norvegica. — Institute of Theoretical Astrophysics, University of Oslo, Blindern, per Oslo. Subscription address: H.Aschehoug (W.Nygaard), Oslo.

Atom u. Strom

Atom und Strom. — Vereinigung Deutscher Elektrizitätswerke. Verlags- u. Wirtschaftsgesellschaft der Elektrizitätswerke, Bockenheimer Landstrasse 109, Frankfurt a. M.

Atomic Energy Res. Establ. (Harwell), Inf. Bibl.; Lecture;

Mem.; Rep.; Transl.

Atomic Energy Research Establishment (Harweii), Information Bibliography; Lecture; Memorandum; Report; Translation. - H.M.Stationery Office, Kingsway, London, W.C.2.

Atomkernenergie. - Verlag Karl Thiemig, Pilgersheimerstrasse 38, Munich 9.

Atomkraftwerk

Das Atomkraftwerk. — Supplement to: Österreichische Zeitschrift für Elektrizitätswirtschaft [Osterr. Z. ElektWirtsch.].

Atomnaya Energiya

Atomnaya Energiya. — Akademiya Nauk SSSR, Lenin Prospekt, Moscow. English translations of relevant papers are published in Reactor Science.].

Atti Accad. Sci. Torino

Atti della Accademia delle Scienze di Torino. I. Classe di Scienze Fisiche, Matematiche e Naturali. — Via Accademia delle Scienze 6; Via Maria Vittoria 3, Turin (208).

Atti Fond, Ronchi

Atti della Fondazione Giorgio Ronchi e Contributi dell' Istituto Nazionale di Ottica. - Via S. Leonardo 79, Arcetri-Firenze, Italy.

Atti Soc. Peloritana Sci. Fis. Mat. Nat.

Atti della Società Peloritana di Scienze Fisiche Matematiche e Naturali. — Università di Messina, Messina.

Austral. J. appl. Sci.

Australian Journal of Applied Science. — Commonwealth Scientific and Industrial Research Organization, 314 Albert Street, East Melbourne, C.2, Victoria.

Austral. J. Phys.

Australian Journal of Physics. - Commonwealth Scientific and Industrial Research Organization, 314 Albert Street, East Melbourne, C.2, Victoria.

Austral. J. Sci.

Australian Journal of Science. - Australian and New Zealand Association for the Advancement of Science, Science House, 157 Gloucester Street, Sydney.

Automat. Elect. tech. J.

Automatic Electric Technical Journal (Formerly: General Telephone Technical Journal). - Automatic Electric Laboratories Inc., Northlake, Illinois.

Automat. remote Control.

Automation and Remote Control. - Instrument Society of America, 313 Sixth Avenue, Pittsburgh 22, Pennsylvania. (A translation of: Avtomatika i Telemekhanika [Avtomat. i Telemekh.]).

Automatica si Electronica

Automatica si Electronica. — Editorial address: Str. Ion Ghica 3, Bucarest. Administration address: Calea Victoriei 118, Bucarest.

Automatisme

Automatisme. — Dunod et Cie, 92 Rue Bonaparte, Paris 6. Avhandl. Norske VidenskAkad. Oslo

Avhandlingar utgitt av Det Norske Videnskaps-Akademi i Oslo. I. Matematisk-Naturvidenskaplige Klasse. — Faculty of Mathematics and Science, University of Oslo, Blindern, per Oslo.

Avtomat. i Telemekh.

Avtomatika i Telemekhanika. - Akademiya Nauk SSSR, Lenin Prospekt, Moscow. [A translation is published as: Automation and Remote Control (Automat. remote Control)].

B.B.C. Engng Monogr.

B.B.C. Engineering Division Monographs. — British Broadcasting Corporation Publications, 35 Marylebone High Street, London, W.1.

B.B.C. Nachr

B.B.C. Nachrichten. - Brown, Boveri und Cie, Mannheim.

B.T.-H. Activ.

B.T.H. Activities. - Replaced by: A.E.I. Engineering Review [A.E.I. Engng Rev.].

B.T.-H. Res. Lab. Publ.

British Thomson-Houston Research Laboratory Publication. Title changed to: A.E.I. Research Laboratory Reprint A.E.I. Res. Lab. Repr.].

B.T.-H. tech. Monogr

British Thomson-Houston Technical Monograph. - Title changed to: A.E.I. Technical Monograph [A.E.I. tech. Monogr.].

Beama J.

Beama Journal. - British Electrical and Allied Manufacturers' Association, 36 Kingsway, London, W.C.2.

Bell Lab. Record

Bell Laboratories Record. - Bell Telephone Laboratories, 463 West Street, New York 14, N.Y.

Bell Syst. tech. J.

Bell System Technical Journal. - American Telephone and Telegraph Co., 195 Broadway, New York 7, N.Y.

Bol. Fac. Ingen. Montevideo

Boletin de la Facultad de Ingenieria y Agrimensura de Montevideo. — Herrera y Reissig 565, Montevideo.

Brennstoff-Wärme-Kraft (B.W.K.)

BWK. Brennstoff-Wärme-Kraft. - VDI-Verlag, Dusseldorf. Publisher: Springer-Verlag, Berlin-Göttingen-Heidelberg.

Brit. Commun. and Electronics

British Communications and Electronics. — Heywood and Co., Drury House, Russell Street, Drury Lane, London, W.C.2.

Brit. J. appl. Phys.

British Journal of Applied Physics. — The Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W.1.

Brit. J. Radiol.

British Journal of Radiology. - British Institute of Radiology, 32 Welbeck Street, London, W.1.

Brit. Kinematogr.

British Kinematography. - British Kinematograph Society, 164 Shaftesbury Avenue, London, W.C.2.

British Power Engineering. - George Newnes, Tower House, Southampton Street, London, W.C.2.

Brit. Stand.

British Standards. - British Standards Institution, 2, Park Street, London, W.1.

Brit. Weld. J.

British Welding Journal. — Institute of Welding, 54 Princes Gate, London, S.W.7; British Welding Research Association, 19, Fitzroy Square, London, W.1.

Brown Boveri Rev.

Brown Boveri Review. - Brown, Boveri & Company, Baden, Switzerland; 75 Victoria Street, London, S.W.1.

Bul. Inst. Politeh. Iasi

Buletinul Institutului Politehnic din Iasi (Serie Nouă). - Polytechnic Institute, Jassy.

Bull. Acad. Polon. Sci. Ser. Sci. math. astron. phys. Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Mathematiques, Astronomiques et Physiques. - Polish Academy of Sciences, Distribution Centre for Scientific Publications, Parac Kultury i Nauki, Warsaw.

Bull. Acad. Polon. Sci. Ser. Sci. tech.

Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Techniques. - Polish Academy of Sciences, Distribution Centre for Scientific Publications, Pałac Kultury i Nauki, Warsaw.

Bull. Acad. Roy. Belgique Cl. Sci.

Bulletin de la Classe des Sciences de l'Académie Royale de Belgique. - Palais des Académies, rue Ducale 1, Brussels.

Bull. Amer. Meteorol. Soc.

Bulletin of the American Meteorological Society. -45 Beacon Street, Boston 8, Massachusetts.

Bull. Amer. Phys. Soc.

Bulletin of the American Physical Society. — Columbia University, New York 27, N.Y.

Bull. Assoc. Suisse Elect.

Bulletin de l'Association Suisse des Électriciens. (Organe Commun de l'Association Suisse des Électriciens [ASE] et de l'Union des Centrales Suisses d'Electricité [UCS]). - Seefeldstrasse 301, Zürich 8.

Bull. astron. (Paris)

Bulletin Astronomique. - L'Observatoire de Paris, 61 Avenue de l'Observatoire, Paris 14. Publisher: Gauthier-Villars, 55 Quai des Grands-Augustins, Paris 6.

Bull. Calcutta Math. Soc.

Bulletin of the Calcutta Mathematical Society. - 92 Upper Circular Road, Calcutta 9.

Bull. elect. Engng Educ.

Bulletin of Electrical Engineering Education. - Manchester College of Science and Technology, Manchester 1.

Bull. Electrotech. Lab. (Tokyo)

Bulletin of the Electrotechnical Laboratory. — 2-chome, Nagata-cho, Chiyoda-ku, Tokyo.

Buil. Fac. Engng Yokohama Nat. Univ.

Bulletin of the Faculty of Engineering of Yokohama National University. - Ohka-Machi, Minami-Ku, Yokohama.

Bull. Inst. Internat. Froid.

Bulletin de l'Institut International du Froid (French/English Edition). - 177 Boulevard Malesherbes, Paris 17.

Bull. Inst. Metals.

Bulletin of the Institute of Metals. - Issued as inset in the Journal of the Institute of Metals [J. Inst. Metals].

Bull. Inst. Nuclear Sci. "Boris Kidrich"

Bulletin of the Institute of Nuclear Sciences "Boris Kidrich". - P.O. Box 522, Belgrade.

Bull. Internat. Rly Congr. Assoc.

Monthly Bulletin of the International Railway Congress Association [English edition]. — 19 rue du Beau-Site, Brussels.

Bull. J.S.M.E.

Bulletin of the Japan Society of Mechanical Engineers. - Section 561, Marunouchi, 2-chome Marunouchi, Chiyoda-ku, Tokyo.

Bull. Kyushu Inst. Technol.

Bulletin of the Kyushu Institute of Technology (Mathematics, Natural Science). - Tobata, Japan.

Bull. Nat. Inst. Sci. India

Bulletin of the National Institute of Sciences of India. - Mathura Road, New Delhi.

Bull. Oerlikon

Bulletin Oerlikon. — Oerlikon Engineering Company, Zurich 50; Oerlikon Ltd., Victoria House, Southampton Row, London, W.C.1.

Bull. Res. Coun. Israel

Bulletin of the Research Council of Israel. Section A (Chemistry); Section C (Technology); Section F (Mathematics and Physics). - Publisher: The Weizmann Science Press of Israel, P.O.B. 801, Jerusalem.

Bull. Sci. Assoc. Ingen. Montefiore [A.I.M.]

Bulletin Scientifique de l'Association des Ingénieurs Électriciens sortis de l'Institut Électrotechnique Montefiore. - 31 Rue Saint Gilles, Liège.

Bull. sci. Cons. Acad. Yougoslavie

Bulletin Scientifique Conseil des Académies de la R.P.F. Yougoslavie. — A.Kovačića 1, Zagreb 1.

Bull. Soc. Belge Elect.

Bulletin de la Societe Belge des Electriciens. — Title changed to: Bulletin de la Societe Royale Belge des Electriciens [Bull. Soc. Roy. Belge Elect.].

Bull. Soc. Roy. Belge Elect.

Bulletin de la Societe Royale Belge des Electriciens. -1 Place du Trone, Brussels.

Bull. Soc. Chim. France

Bulletin de la Societe Chimique de France. — Publisher: Masson et Cie, 120 Boulevard Saint-Germain, Paris 6.

Bull. Soc. Franc. Elect.

Bulletin de la Société Française des Électriciens. - 8-14 Avenue Pierre-Larousse, Malakoff (Seine).

Bull. Soc. Franc. Mineral. Crist.

Bulletin de la Société Française de Minéralogie et de Cristallographie. - Publisher: Masson et Cie, 120 Boulevard Saint-Germain, Paris 6.

Bull. Soc. Math. France

Bulletin de la Société Mathématique de France. — 11 rue Pierre Curie, Paris 5.

Bull. Soc. Roy. Sci. Liege

Bulletin de la Société Royale des Sciences de Liege. - L'Université, 7 Place du 20 Août, Liège.

Bull. Tech. Univ. Istanbul

Bulletin of the Technical University of Istanbul (Istanbul Teknik Üniversitesi Bülteni). - Gümüssuyu, Istanbul.

Bull. Un. Exploit. Elect. Belgique Bulletin Bimestriel de l'Union des Exploitations Electriques en Belgique. - Title changed to: Votre Électricité.

C.B.I.G. Ber.

CEIG Berichte. - Title changed to: Conti Elektro Berichte [Conti Elektro Ber.].

C.R. Acad. Bulg. Sci.

Comptes Rendus de l'Académie Bulgare des Sciences (Sciences Mathématiques et Naturelles). - Sofia.

C.R. Acad. Sci. (Paris)

Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. - Publisher: Gauthier-Villars, Quai des Grands Augustins 55, Paris 6.

Cables et Transm.

Cables et Transmission. - SOTELEC, 16 rue de la Baume, Paris 8.

Cahiers de Phys.

Cahiers de Physique. - Editions Revue d'Optique, 165 Rue de Sèvres; 3 et 5 Boulevard Pasteur, Paris 15.

Canad. Electronics Engng

Canadian Electronics Engineering. — Maclean-Hunter Publishing Company, 481 University Avenue, Toronto, Ontario; Maclean-Hunter Company, 125-130 Strand, London, W.C.2.

Canad. J. Chem.

Canadian Journal of Chemistry. - Division of Administration and Awards, National Research Council of Canada, Ottawa 2.

Canadian Journal of Physics. - Division of Administration and Awards, National Research Council of Canada, Ottawa 2.

Canadian Standards Associated Quarterly Bulletin.

- 235 Montreal Road, Ottawa 2.

Cathode Press

Cathode Press. - Machlett Laboratories, Springdale, Connecticut.

Chalmers Tekn. Högsk. Handl.

Chalmers Tekniska Högskolas Handlingar (Transactions of Chalmers University of Technology). - Gothenburg.

Chem. Process Engng

Chemical and Process Engineering, incorporating Atomic World. - Leonard Hill Technical Group, Leonard Hill House, Eden Street, London, N.W.1. Cienc. y Tec.

Ciencia y Tecnica. — Centro Estudiantes de Ingenieria, "La Linea Recta", Paseo Colon 850, Buenos Aires. Ciencia (Mexico)

Ciencia. — Apartado Postal 21033, Mexico 1, D.F. Circ. Electrotech. Lab. [Tokyo]

Circulars of the Electrotechnical Laboratory. - 2-chome, Nagata-cho, Chiyoda-ku, Tokyo.

Circ. Nat. Bur. Stand.

Circular of the National Bureau of Standards. - Discontinued. Cirk. Telestyr. Tekn. Byrå (Stockholm)

Cirkular från Telestyrelsens Tekniska Byrå, Stockholm.

Colloq. Astrofis. (Suppl. Mem. Soc. Astron. Ital.) Colloqui del Centro di Astrofisica del Consiglio Nazionale delle Ricerche (Supplementi alle Memorie della Società Astronomica Italiana). — Società Astronomica Italiana,

Via Brera 28, Milan. Com. Acad. R.P. Romine

Comunicarile Academiei Republicii Populare Romine. — Academiei R.P.R., Calea Victoriei 27, Bucarest.

Comment. phys.-math. (Helsinki)

Commentationes Physico-Mathematicae. — Societas Scientiarum Fennica, Helsinki.

Commun. Dublin Inst. Advanced Stud.

Communications of the Dublin Institute for Advanced Studies, Series A. - 64-65 Merrion Square, Dublin.

Commun. and Electronics

Communications and Electronics. - Part I of the Transactions of the American Institute of Electrical Engineers [Trans Amer. Inst. Elect. Engrs].

Conf. Internat. Grands Reseaux Elect. (CIGRE)

Conference Internationale des Grands Réseaux Electriques à Haute Tension. - 112 Boulevard Haussmann, Paris.

Contemporary Physics

Contemporary Physics. — Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4.

Conti Elektro Ber.

Conti Elektro Berichte. — Continental-Elektroindustrie-Aktiengesellschaft (CONTI-ELEKTRO), Düsseldorf.

Contrib. Inst. Roy. Meteorol. Belgique

Contributions. Institut Royal Météorologique de Belgique. - 3 Avenue Circulaire, Uccle-Brussels.

Control

Control. — Rowse Muir Publications, 77-79 Charlotte Street, London, W.1.

Control Engag

Control Engineering. - McGraw-Hill Publishing Company, 330 West 42nd Street, New York 36, N.Y.

Co-op. elect. Res.

Co-operative Electrical Research. - Electrical Research Association, Cleeve Road, Leatherhead, Surrey.

Curr. Sci.

Current Science. — Current Science Association, Bangalore 6.

Czech. J. Phys.

Czechoslovak Journal of Physics. — Czechoslovak Academy of Sciences. Circulation address: Jindřišská 14, Prague 3.

Daedalus

Daedalus (Proceedings of the American Academy of Arts and Sciences). - Wesleyan University Press, 356 Washington Street, Middletown, Connecticut.

Defence Sci. J.

Defence Science Journal. - Defence Research and Development Organisation, Ministry of Defence, Government of India, New Delhi.

Direct Curr.

Direct Current. — Garraway Ltd., 11 Kensington Church Street, London, W.8.

Disc. Faraday Soc.

Discussions of the Faraday Society. - 6 Gray's Inn Square, London, W.C.1. Publisher: Aberdeen University Press, 6 Upper Kirkgate, Aberdeen.

Dokl. Akad. Nauk SSSR

Doklady Akademii Nauk SSSR. - Lenin Prospekt, Moscow. A translation of the "Physics Section" is published as "Soviet Physics - Doklady"].

Doshisha Engng Rev.

Doshisha Engineering Review. — Title changed to: Science and Engineering Review of Doshisha University [Sci. Engng Rev. Doshisha Univ.].

Dtsch. Elektrotech.

Deutsche Elektrotechnik. — Title changed to: Elektrie.

Dyna

Dyna. — La Asociacion Nacional de Ingenieros Industriales de España, Navarra 1-1º, Bilbao.

E.B.U. Rev.

E.B.U. Review, Part A (Technical). - Technical Centre of the European Broadcasting Union, 32, Avenue Albert Lancaster, Brussels 18.

E.R.A. (Stockholm)

E.R.A. Föreningen för Elektricitetens Rationella Användning. - Drottninggatan 90B, Stockholm 3.

E.T.J. Japan

Electrotechnical Journal of Japan. — Institute of Electrical Engineers of Japan (Denki-Gakkai), Yuraku-cho, Chiyoda-ku, Tokyo. [The overseas English-language edition (selected and abridged) of the Journal of the Institute of Electrical Engineers of Japan, published monthly in Japanese].

Elect. Commun.

Electrical Communication. — International Telephone and Telegraph Corporation, 67 Broad Street, New York 4, N.Y.

Elect. Energy

Electrical Energy. - Morgan Brothers, 28 Essex Street, Strand, London, W.C.2.

Elect. Engng

Electrical Engineering. — American Institute of Electrical Engineers, 33 West 39th Street, New York 18, N.Y.

Elect. Engr (Melbourne)

Electrical Engineer. — Tait Publishing Co. Pty, 349 Collins Street, Melbourne; and 4a Bloomsbury Square, London, W.C.1.

Elect. J.

Electrical Journal. — Bouverie House, 154 Fleet Street, London, E.C.4.

Elect. Manufng

Electrical Manufacturing. — C-M Technical Publications Corporation, 205 East 42nd Street, New York 17, N.Y.

Elect. Rev.

Electrical Review. - Dorset House, Stamford Street, London, S.E.1.

Elect. Supervisor

Electrical Supervisor. — Association of Supervising Electrical Engineers, 23 Bloomsbury Square, W.C.1.

Electrical Times. - Sardinia House, Sardinia Street, London, W.C.2.

Elect. Traction Rlys (Internat. Rly Congr. Assoc.) Electric Traction on the Railways. Bulletin of the International Railway Congress Association. (English Edition). - 19 rue du Beau-Site, Brussels.

Electrical World. - McGraw-Hill Publishing Co., 330 West 42nd St., New York 36, N.Y.

Electricien

L'Electricien. — 92 Rue Bonaparte, Paris 6.

Electrochimica Acta

Electrochimica Acta. - Pergamon Press, 4 and 5 Fitzroy Square, London, W.1.

Electronic Applic.

Electronic Applications. - N.V. Philips' Gloeilampenfabrieken, Eindhoven. Subscription address: Cleaver-Hume Press, 31 Wrights Lane, Kensington, London, W.8.

Electronic Applic. Bull.

Electronic Application Bulletin. — Title changed to: Electronic Applications [Electronic Applic.].

Electronic Engng

Electronic Engineering. - Morgan Brothers, 28 Essex Street, Strand, London, W.C.2.

Electronic Industr

Electronic Industries. - Chestnut and 56th Streets, Philadelphia 39, Pennsylvania.

Electronic Radio Engr

Electronic and Radio Engineer. - Title changed to: Electronic Technology [Electronic Technol.].

Electronic Technol.

Electronic Technology. -- Biffe and Sons, Dorset House, Stamford Street, London, S.E.1.

Electronica

Electronica. - Roemer Visscherstraat 2-4-6, Amsterdam.

Electronics. - McGraw-Hill Publishing Co., 330 West 42nd Street, New York 36, N.Y.

Electrotechniek

Electrotechniek. - Moorman's Periodieke Pers, The Hague.

Electrotehnica. — Editorial address: Str. Ion Ghica 3, Bucarest. Administration address: Calea Victoriei 118, Bucarest.

Elekt. Bahnen

Elektrische Bahnen. - R.Oldenbourg, Rosenheimer Strasse 145, Munich 8.

Elekt. Stantsii

Élektricheskie Stantsii. — Publisher: Gosénergoizdat, Shlyuzovaya naberezhnaya 10, Moscow.

Elektrichestvo

Elektrichestvo. — 2, B.Cherkasskii per., Moscow K-12.

Elektrie. - V.E.B. Verlag Technik, Oranienburger Str. 13/14, Berlin C 2.

Elektrizitätsverwertung

Elektrizitätsverwertung (L'Electrique — Electrical Service). - Elektrowirtschaft, Victoriahaus, Bahnhofplatz 9, Zürich 23.

Elektrizitätswirtschaft

Elektrizitätswirtschaft. - V.D.E.W., Bockenheimer Landstrasse 109, Frankfurt am Main.

Elektrofertigung

Elektrofertigung. - A supplement to Elektrie, published as part of that journal, but with separate pagination.

Elektronische Rundschau. - Eichborndamm 141-167, Berlin-Borsigwalde.

Elektron. Rechenanlagen

Electronische Rechenanlagen. — R.Oldenbourg, Munich and Vienna.

Elektronik

Elektronik. - Franzis-Verlag, Karlstrasse 35, Munich 37.

Elektrotech. u. Maschinenbau (E.u.M.)

Elektrotechnik und Maschinenbau. - Elektrotechnischer Verein Österreichs, Eschenbachgasse 9, Vienna I. Publisher: Springer-Verlag, Mölkerbastei 5, Vienna I.

Elektrotech. Obzor

Elektrotechnicky Obzor. — Krakovská u.č 8, Prague 2.

Elektrotech. Z. (E.T.Z.)

Elektrotechnische Zeitschrift. Ausgabe A: Zentralblatt für Elektrotechnik. Ausgabe B: Der Elektrotechniker. Verband Deutscher Elektrotechniker. Publication address: V.D.E.-Verlag, Bismarckstrasse 33, Berlin-Charlottenburg 2.

Elektrotechnika

Elektrotechnika. - Bajcsy-Zsilinszky-út, 22, Budapest 5. Elektroteh. Vestnik

Elektrotehniski Vestnik. — Fakulteta za elektrotehniko, Aškerceva 9, Ljubljana.

Elektrotek. T.

Elektroteknisk Tidsskrift. - Norske Elektroteknisk Forening og Norske Elektrisitetsverkers Forening. Published by Norske Elektrisitetsverkers Forening. Blindern, Oslo.

Elektroteknikeren

Elektroteknikeren. - Landskronagade 70, Copenhagen Ø.

Elektrowärme

Elektrowärme. - Issued as inset in: Österreichische Zeitschrift für Elektrizitätswirtschaft [Österr. Z. ElektWirtsch. (Ö.Z.E.)].

Elettrotecnica

Elettrotecnica. - Associazione Elettrotecnica Italiana, Via S. Paolo 10, Milan.

Elin J.

Elin Journal (Being special edition of Elin-Zeitschrift). - Volksgartenstrasse 3, Vienna I.

Elin-Z.

Elin-Zeitschrift. — Volksgartenstrasse 3, Vienna I.

Elteknik. - Svenska Elektroingenjörers Riksförening. Subscription address: Postfack 16381, Stockholm 16. Energetica (Bucarest)

Energetica. - Editorial address: Str. Ion Ghica 3, Bucarest. Administration address: Calea Victoriei 118, Bucarest.

Energetik

Énergetik. — 2, B. Cherkasskii per., Moscow K-12.

Energetika (Prague)

Energetika. - Spálená ul 51, Prague 1.

Energetyka (Poland)

Energetyka. - PUPK "Ruch", ul 15 Grudnia 10, Katowice.

Energia elett.

Energia Elettrica. — Via Revere 12, Milan.

Energia nucleare

Energia Nucleare. - Via Redecesio 12, Segrate, Milan.

Engineer. - Morgan Brothers, 28 Essex Street, London, W.C.2.

Engineering (London)

Engineering. — 36 Bedford Street, London, W.C.2.

Engl. Elect. J.

English Electric Journal. - English Electric Co., Stafford. Engng J. Engineering Journal. - Engineering Institute of Canada,

2050 Mansfield Street, Montreal 2.

Entwicklungsber. Siemens und Halske

Entwicklungsberichte der Siemens und Halske Aktiengesellschaft. - Berlin-Siemensstadt.

Ericsson Rev.

Ericsson Review. - L.M. Ericsson, Stockholm 32. [Published in four editions, Swedish, English, German and Spanish. The contents and pagination of all these editions are identical].

Ericsson Tech.

Ericsson Technics. - L.M. Ericsson, Stockholm 32.

Exper. Tech. der Phys.

Experimentelle Technik der Physik. - V.E.B. Deutscher Verlag der Wissenschaften, Niederwallstrasse 39, Berlin, W.8.

Experientia

Experientia. - Birkhäuser Verlag, Elisabethenstrasse 19, Basel 10.

F.u.G. Rdsch.

F. und G. Rundschau. - Felten und Guilleaume Carlswerk, Cologne-Mülheim.

Feinwerktechnik

Feinwerktechnik. - Article reprinted in: Entwicklungsberichte der Siemens und Halske Aktiengesellschaft [Entwicklungsber. Siemens und Halske].

Fernmelde-Ingenieur

Fernmelde-Ingenieur. - Verlag für Wissenschaft und Leben, Georg Heidecker, Külsheimer Strasse 11, Windsheim (Mittelfr.).

Fiz. Metallov i Metallovedenie

Fizika Metallov i Metallovedenie. — Izdatel'stvo Akademii Nauk SSSR, Sverdlovsk.

Fiz. tverdogo Tela

Fizika Tvěrdogo Tela. - Publisher: Academy of Sciences Press, Moscow and Leningrad. [A translation is published as: Soviet Physics-Solid State].

ForschBer. Landes Nordrhein-Westfalen

Forschungsberichte des Landes Nordrhein-Westfalen. - Westdeutschen Verlag, Ophovener Strasse 1-3, Cologne.

Forschungsber. Wirtsch.-Verkehrsmin. Nordrhein-Westfalen Forschungsberichte des Wirtschafts- und Verkehrsministeriums Nordrhein-Westfalen. - Title changed to: Forschungsberichte des Landes Nordrhein-Westfalen [ForschBer. Landes Nordrhein-Westfalen].

Fortschr. Mineral

Fortschritte der Mineralogie. - Schweizerbart, Stuttgart. Fortschr. Phys.

Fortschritte der Physik. — Publication addresses: Akademie-Verlag, Leipzigerstrasse 3-4, Berlin W.1; Kunst und Wissen, Wilhelmstrasse 4-6, Stuttgart-S. Foreign orders to: Deutschen Buch-Export und -Import, Postschliessfach 276, Leipzig, C.1.

Frequenz

Frequenz. - Fachverlag Schiele und Schön, Markgrafenstrasse 11, Berlin, S.W.61.

G.E.C. atomic Energy Rev.

G.E.C. Atomic Energy Review. - General Electric Co. Ltd., Atomic Energy Division, Erith, Kent. G.E.C.J.

G.E.C. Journal. - General Electric Co. Ltd., Magnet House, Kingsway, London, W.C.2.

G.E.C. Telecomm.

G.E.C. Telecommunications. - General Electric Co. Ltd., Telephone, Radio and Television Works, Coventry.

Gaz. Mat. (Lisbon)

Gazeta de Matemática. — Rua Diário de Notícias, 134-1º., Lisbon 2.

Gen. Radio Exper.

General Radio Experimenter. — General Radio Company, West Concord, Massachusetts.

Gen. Teleph. tech. J.

General Telephone Technical Journal. - Title changed to: Automatic Electric Technical Journal Automat. Elect. tech. J.].

Geofys. Publ

Geofysiske Publikasjoner. Geophysica Norvegica. -Norske Videnskaps-Akademi i Oslo. Publication address: H.Aschehoug (W.Nygaard), Oslo.

Geophys. J.

Geophysical Journal of the Royal Astronomical Society. - Burlington, House, London, W.1.

Geophysics. - Society of Exploration Geophysicists, Box 1536, Tulsa 1, Oklahoma.

Gidtrotekh. Stroit.

Gidrotekhnicheskoe Stroitelstvo. — Moscow.

Glasers Ann.

Glasers Annalen. — Georg Siemens, Lützowstrasse 6, Berlin, W. 35.

Glass Technol.

Glass Technology (Section A of the Journal of Glass Technology). - Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield 10.

Handb. Nat. Bur. Stand.

Handbook of the National Bureau of Standards. - U.S. Government Printing Office, Washington 25, D.C.

Hawker Siddeley tech. J.

Hawker Siddeley Technical Journal (Supersedes: Technical Journal of the Brush Group). - 18 St. James's Square, London, S.W.1.

Helv. phys. Acta

Helvetica Physica Acta. - Schweizerische Physikalische Gesellschaft. Publisher: E.Birkhäuser, Elisabethenstrasse 15, Basle 10.

Hewlett-Packard J.

Hewlett-Packard Journal. — Hewlett-Packard Company, 1501 Page Mill Road, Palo Alto, California.

Hochfrequenztech. u. ElektAkust.

Hochfrequenztechnik und Elektroakustik. — Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, Leipzig, C.1.

Houille blanche

La Houille Blanche. - Post Box 41, Grenoble (Isère).

I.B.M. J. Res. Developm.

I.B.M. Journal of Research and Development. - International Business Machines Corporation, 590 Madison Avenue, New York 22, N.Y.

I.R.E. internat. Convention Record

I.R.E. International Convention Record (Formerly: I.R.E. National Convention Record). - Institute of Radio Engineers, 1 East 79th Street, New York 21, N.Y.

I.R.E. Nat. Convention Record.

I.R.E. National Convention Record. - Title changed to: I.R.E. International Convention Record [I.R.E. internat. Convention Record].

I.R.E. Trans

Institute of Radio Engineers Transactions (Papers published by individual Professional Groups of the Institute). — 1 East 79th Street, New York 21, N.Y.

I.R.E. WESCON Convention Record

I.R.E. WESCON Convention Record. - Institute of Radio Engineers, 1 East 79th Street, New York 21, N.Y.

I.S.A. Journal. - Instrument Society of America, Granite Building, 313 Sixth Avenue, Pittsburgh 22, Pennsylvania.

Illum. Engng

Illuminating Engineering. - Illuminating Engineering Society. Publication address: 32nd Street and Elm Avenue, Baltimore 11, Maryland.

Indian east. Engr

Indian and Eastern Engineer. - "Sohrab House", 235 Dr. D.Naoroji Road, Bombay 1. British Associates: Hiffe and Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

Indian J. Meteorol. Geophys.

Indian Journal of Meteorology and Geophysics. — India Meteorological Department. Publication address: Civil Lines, Delhi-8.

Indian J. Phys.

Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. - 2 and 3 Lady Willington Road, Calcutta 32.

Indian J. theor. Phys.

Indian Journal of Theoretical Physics. - Institute of Theoretical Physics, 4/1 Mohan Bagan Lane, Calcutta 4.

Industr. engng Chem.

Industrial and Engineering Chemistry. — American Chemical Society, 1155 Sixteenth Street, N.W., Washington 6, D.C.

Industr. Ital. elettrotec.

Industria Italiana Elettrotecnica. — Associazione Nazionale Industrie Elettrotechniche, Via Donizetti 30, Milan.

Information and Control

Information and Control. - Academic Press, 111 Fifth Avenue, New York 3, N.Y.

Ingegn. Ferroviaria.

Ingegneria Ferroviaria. - Piazza Croce Rossa, Rome.

Ingegnere

L'Ingegnere. — Associazione Nazionale Ingegneri ed Architetti Italiani, Via Della Mercede 33, Rome.

Ingen.-Arch.

Ingenieur-Archiv. — Springer-Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf; Neuenheimer Landstrasse 28-30, Heidelberg.

Ingenieur

De Ingenieur. — Koninklijk Instituut van Ingenieurs. Editorial address: 23, Prinsessegracht, The Hague.

Ingeniøren

Ingenioren. Edition A [weekly]; Edition B [twice a month]; Edition C [international]. — Engineering House, 27-31 V. Farimagsgade, Copenhagen V.

Instn Engrs, Austral., elect. mech. Engng Trans.
Institution of Engineers, Australia, Electrical and Mechanical Engineering Transactions. — Institution of Engineers, Australia, Science House, Gloucester and Essex Streets, Sydney.

Instrum. Constr.

Instrument Construction. (Produced for the Department of Scientific and Industrial Research by the British Scientific Instrument Research Association, South Hill, Chislehurst, Kent). — Subscription address: Taylor amd Francis, Red Lion Court, Fleet Street, London, E.C.4. [A translation of Priborostroenie].

Instrum. Control Syst.

Instruments and Control Systems. — 845 Ridge Avenue, Pittsburgh 12, Pennsylvania.

Instrum. Engr

Instrument Engineer. — George Kent, Luton, Bedfordshire.

Instrum. exper. Tech.

Instruments and Experimental Techniques. — Instrument Society of America, 313 Sixth Avenue, Pittsburgh 22, Pennsylvania. [A translation of: Pribory i Tekhnika Eksperimenta].

Instrum. Pract.

Instrument Practice. — United Trade Press, 9 Gough Square, Fleet Street, E.C.4.

Instrumentation

Instrumentation. — Minneapolis-Honeywell Regulator Co., Brown Instruments Division, Wayne and Windrim Avenues, Philadelphia 44, Pennsylvania; Honeywell Controls, Ruislip Road, East Greenford, Middlesex.

Internat. J. appl. Radiation and Isotopes

International Journal of Applied Radiation and Isotopes.

— Pergamon Press, Headington Hill Hall, Oxford;
122 East 55th Street, New York 22, N.Y.

Inzhen.-fiz. Zh.

Inzhenerno-fizicheskii Zhurnal. — Izdatel'stvo Akademii Nauk, Prospekt Stalina 108, Minsk, B.S.S.R.

Izv. Akad. Nauk SSSR, Ser. fiz.

Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya.
— Akademiya Nauk SSSR, Lenin Prospekt, Moscow.

Izv. Akad. Nauk SSSR, Ser. geofiz.

Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya.

— Akademiya Nauk SSSR, Lenin Prospekt, Moscow.

Izv. Bulg. Akad. Nauk

Izvestiya Bulgarskata Akademia na Naukite. Otdelenie za Fiziko-matematicheski i Tekhnicheski Nauki.

- Rue 7 Novembre, Sofia 1.

J. Acoust. Soc. Amer.

Journal of the Acoustical Society of America. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

J. Aero Sci.

Journal of the Aeronautical Sciences. — Title changed to: Journal of the Aero/Space Sciences.

J. Aero/Space Sci.

Journal of the Aero/Space Sciences. — Institute of the Aeronautical Sciences. Subscription address: Editorial Office of the Aero/Space Sciences, 2 East 64th Street, New York 21.

J. Amer. Chem. Soc

Journal of the American Chemical Society. — 1155 Sixteenth Street, N.W., Washington 6, D.C.

J. appl. Phys.

Journal of Applied Physics. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

J. appl. Phys. Japan

Journal of Applied Physics, Japan. — Society of Applied Physics, Department of Applied Physics, Faculty of Engineering, University of Tokyo, 1 Motofujicho, Bunkyo-ku, Tokyo.

J. Assoc. Appl. Physicists (India)

Journal of Association of Applied Physicists. — 92 Upper Circular Road, Calcutta 9.

J. atmos. terrest. Phys.

Journal of Atmospheric and Terrestrial Physics. — Pergamon Press, Headington Hill Hall, Oxford; 122 East 55th Street, New York 22, N.Y.

J. Audio Engng Soc.

Journal of the Audio Engineering Society. — Publication address: P.O. Box 12, Old Chelsea Station, New York 11, N.Y.

J. Brit. Astron. Assoc.

Journal of the British Astronomical Association.

— 303 Bath Road, Hounslow West, Middlesex.

J. Brit. Instn Radio Engrs

Journal of the British Institution of Radio Engineers. — 9 Bedford Square, London, W.C.1.

J. Brit. Nuclear Energy Conf.

Journal of the British Nuclear Energy Conference.

— 1-7 Great George Street, London, S.W.1. [Constituent bodies: The Institution of Civil Engineers; The Institution of Mechanical Engineers; The Institute of Physics; The Institution of Chemical Engineers; The Iron and Steel Institute; The Institute of Metals; The Institute of Fuel; The Joint Panel on Nuclear Marine Propulsion].

J. chem. Phys.

Journal of Chemical Physics. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

J. Chim. phys.

Journal de Chimie Physique et de Physico-Chimie Biologique.
— Société de Chimie Physique, 11 rue Pierre-Curie,
Paris 5.

J. Coll. Arts Sci. Chiba Univ. nat. Sci. Ser.
Journal of the College of Arts and Sciences, Chiba University,

Natural Science Series. — Chiba, Japan.

J. Colloid Sci.

Journal of Colloid Science. — Academic Press, 111 Fifth Avenue, New York 3, N.Y.

J. Electrochem. Soc.

Journal of the Electrochemical Society. — 1860 Broadway, New York 23, N.Y.

J. Electronics and Control

Journal of Electronics and Control. — Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4. Agents for U.S.A. and Canada: Academic Press, 111 Fifth Avenue, New York 3, N.Y.

J. Elisha Mitchell Sci. Soc.

Journal of the Elisha Mitchell Scientific Society. — University of North Carolina, Chapel Hill, North Carolina.

J. Fac. Engng Univ. Tokyo.

Journal of the Faculty of Engineering, University of Tokyo.

— Bunkyo-ku, Tokyo.

J. Fac. Sci. Univ. Tokyo

Journal of the Faculty of Science, University of Tokyo.
Section I (Mathematics, Astronomy, Physics, Chemistry).
— Subscription address: Maruzen Co. Ltd., 6 Nihonbashi
Töri-Nichöme, Chūō-ku, Tokyo.

J. Franklin Inst.

Journal of the Franklin Institute. — Benjamin Franklin Parkway at Twentieth St., Philadelphia 3, Pennsylvania.

J. Geomagn. Geoelect.

Journal of Geomagnetism and Geoelectricity. — Society of Terrestrial Magnetism and Electricity of Japan. Geophysical Institute, Kyoto University, Kyoto.

J. geophys. Res.

Journal of Geophysical Research. — American Geophysical Union, 1515 Massachusetts Ave., Northwest,

Washington 5, D.C. J. Glaciol.

Journal of Glaciology. — British Glaciological Society, c/o Scott Polar Research Institute, Lensfield Road, Cambridge, England.

J. Indian Inst. Sci.

Journal of the Indian Institute of Science. — Bangalore 12.

J. Inst. Elect. Commun. Engrs Japan

Journal of the Institute of Electrical Communication Engineers of Japan. — 2-8 Fujimicho, Chiyodaku, Tokyo.

J. Inst. Metals

Journal of the Institute of Metals. — 17 Beigrave Square, London, S.W.1.

J. Instn Elect. Engrs

Journal of The Institution of Electrical Engineers.

- Savoy Place, London, W.C.2.

J. Instn Engrs Australia

Journal of the Institution of Engineers, Australia.

- Science House, Gloucester and Essex Streets, Sydney.

J. Instn Telecomm. Engrs (New Delhi)

Journal of the Institution of Telecommunication Engineers. - Post Box 481, New Delhi.

J. Iron Steel Inst.

Journal of the Iron and Steel Institute. - 4 Grosvenor Gardens, London, S.W.1.

J. Jr Instn Engrs

Journal of the Junior Institution of Engineers. - 14 Rochester Row, Westminster, London, S.W.1.

Journal of Mathematics and Mechanics. - The Graduate Institute for Mathematics and Mechanics, Indiana University, Bloomington, Indiana.

J. math. Phys. (New York)

Journal of Mathematical Physics. - American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

J. Math. and Phys. (Cambridge, U.S.A.)

Journal of Mathematics and Physics. - Technology Press, Massachusetts Institute of Technology, Cambridge, Mass.

J. mech. Engng Sci.

Journal of Mechanical Engineering Science. - The Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, S.W.1.

J. Mech. Phys. Solids

Journal of the Mechanics and Physics of Solids. - Pergamon Press, Headington Hill Hall, Oxford; 122 East 55th Street, New York 22, N.Y.

J. Meteorol.

Journal of Meteorology. — American Meteorological Society, 45 Beacon Street, Boston 8, Massachusetts.

J. molecular Spectrosc.

Journal of Molecular Spectroscopy. — Academic Press, 111 Fifth Avenue, New York 3, N.Y.

J. nuclear Energy

Journal of Nuclear Energy. — Now published in three parts: Reactor Science (Part A); Reactor Technology (Part B); Plasma Physics-Accelerators-Thermonuclear Research (Part C).

J. nuclear Mater.

Journal of Nuclear Materials. - North-Holland Publishing Company, P.O. Box 103, Amsterdam.

J. Opt. Soc. Amer.

Journal of the Optical Society of America. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

J. photogr. Sci.

Journal of Photographic Science. - Royal Photographic Society of Great Britain, 16 Princes Gate, London, S.W.7.

J. phys. Chem.

Journal of Physical Chemistry. - American Chemical Society, 1155 Sixteenth Street, N.W., Washington 6, D.C.

J. Phys. Chem. Solids

Journal of the Physics and Chemistry of Solids. - Pergamon Press, 122 East 55th Street, New York 22, N.Y.; 4 and 5, Fitzroy Square, London, W.1.

J. Phys. Radium

Journal de Physique et le Radium. - Société Française de Physique. Publication address: 12 place Henri-Bergson, Paris 8.

J. Phys. Soc. Japan

Journal of the Physical Society of Japan. - Room No. 342, Physics Building, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo.

J. Radio Res. Lab. (Tokyo)

Journal of the Radio Research Laboratories. - Ministry of Posts and Telecommunications, Koganei-shi, Tokyo.

J. Rech. Cent. Nat. Rech. Sci.

Journal des Recherches du Centre National de la Recherche Scientifique. - Laboratoires de Bellevue, 1 Place Aristide-Briand, Bellevue (S.-et-O.), France.

J. Reine Angew. Math.

Journal für die reine und angewandte Mathematik. — Publication address: Walter de Gruyter, Genthiner Strasse 13, Berlin.

J. Res. Inst. Technol. Nihon Univ.

Journal of the Research Institute of Technology. - Nihon University, 2-chome, Chiyoda-ku, Tokyo. J. Res. Nat. Bur. Stand.

Journal of Research of the National Bureau of Standards. Section A (Physics and Chemistry); Section B (Mathematics and Mathematical Physics); Section C (Engineering and Instrumentation); Section D (Radio Propagation). — U.S. Government Printing Office, Washington 25, D.C.

J. Roy. Astron. Soc. Canada

Journal of the Royal Astronomical Society of Canada. - 252 College Street, Toronto 2B.

J. Rov. Soc. New S. Wales

Journal and Proceedings of the Royal Society of New South Wales. - Science House, Gloucester and Essex Streets, Sydney.

J. Sci. Hiroshima Univ.

Journal of Science of the Hiroshima University. Series A (Mathematics, Physics, Chemistry). - Hiroshima.

J. sci. industr. Res.

Journal of Scientific and Industrial Research, A (General): B (Physical Sciences). — Council of Scientific and Industrial Research, Old Mill Road, New Delhi 1.

J. sci. Instrum.

Journal of Scientific Instruments. — The Institute of Physics and The Physical Society, 47 Belgrave Square, London, S.W.1.

J. sci. Res. Banaras Hindu Univ.

Journal of Scientific Research of the Banaras Hindu University. - P.O. - Banaras Hindu University, India.

J. Sci. Res. Inst. (Tokyo)

Journal of the Scientific Research Institute. - Title changed to: Scientific Papers of the Institute of Physical and Chemical Research [Sci. Pap. Inst. Phys. Chem. Res. (Tokyo)].

J. Soc. Glass Technol.

Journal of the Society of Glass Technology. - Now published in two Sections: Glass Technology (Section A), and Physics and Chemistry of Glasses (Section B).

J. Soc. Motion Picture Televis. Engrs

Journal of the Society of Motion Picture and Television Engineers. - 55 West 42nd Street, New York 36, N.Y.

J. Technol. (Calcutta)

Journal of Technology. — Published for the Bengal Engineering College by The West Bengal Government Press, Calcutta. Subscription address: Bengal Engineering College, Howrah, India.

J. Televis. Soc.

Journal of the Television Society. — 166 Shaftesbury Avenue, London, W.C.2.

J. Univ. Bombay

Journal of the University of Bombay. - Bombay 1.

J. Washington Acad. Sci.

Journal of the Washington Academy of Sciences. - 1530 P Street, N.W., Washington, D.C.

Japan. J. Geophys.

Japanese Journal of Geophysics. - Science Council of Japan, Ueno Park, Tokyo.

Joel (Jordbruk, elekt, Blad)

JOEL. Jordbrukarens Elektriska Blad. - Föreningen för Elektricitetens Rationella Användning (FERA), Box 3222, Stockholm 3.

K. Danske Vidensk. Selsk. mat. -fys. Medd.

Kongelige Danske Videnskabernes Selskab, Matematiskfysiske Meddelelser. - Dantes Plads 5, Copenhagen V. Publisher: Ejnar Munksgaard, Nørregade 6, Copenhagen K.

K. Danske Vidensk. Selsk. mat.-fys. Skr.

Kongelige Danske Videnskabernes Selskab, Matematiskfysiske Skrifter. - Dantes Plads 5, Copenhagen V. Publisher: Ejnar Munksgaard, Nørregade 6, Copenhagen K.

K. Fysiogr. Sällsk. Lund, Förhandl.

Kungliga Fysiografiska Sällskapets i Lund, Förhandlingar. - University of Lund, Lund.

K. Norske Vidensk. Selsk. Forhandl.

Kongelige Norske Videnskabers Selskabs Forhandlinger. - Publisher: F. Bruns Bokhandel, Trondheim.

K. Norske Vidensk. Selsk. Skr.

Kongelige Norske Videnskabers Selskabs Skrifter. - Publisher: F.Bruns Bokhandel, Trondheim.

K. Tekn. Högsk. Avhandl.

Kungliga Tekniska Högskolan, Avhandling (Royal Institute of Technology, Thesis). - Stockholm.

K. Tekn. Högsk. Handl.

Kungliga Tekniska Högskolans Handlingar (Transactions of the Royal Institute of Technology). - Stockholm.

Kodaikanal Obs. Bull.

Kodaikanal Observatory Bulletin. — India Meteorological Department, Government of India. Publication address: Astrophysical Observatory, Kodaikanal, India.

Kraft o. Ljus

Kraft och Ljus. - Lonnrotsg. 4, Helsingfors.

Kristallografiya

Kristallografiya. — Akademiya Nauk SSSR, Lenin Prospekt, Moscow. [A translation is published as "Soviet Physics-Crystallography"].

Kumamoto J. Sci.

Kumamoto Journal of Science. Series A (Mathematics, Physics and Chemistry. — Faculty of Science, Kumamoto University, Kumamoto.

Kunststoffe

Kunststoffe. - Carl Hanser Zeitschriftenverlag, Kolbergerstrasse 22, Munich 27.

L.S.E. Engng Bull.

L.S.E. Engineering Bulletin. - Laurence, Scott and Electromotors, Manfield House, 376 Strand, London, W.C.2.

Laboratory Practice. — United Trade Press, 9 Gough Square, Fleet Street, London, E.C.4.

Latv. PSR Zinat. Akad. Vestis

Latvijas PSR Zinātnu Akadēmijas Vestis. — Latvijas PSR Zinātnu Akadēmijas Izdevums, Riga, U.S.S.R.

Lichttechnik

Lichttechnik. — Helios-Verlag, Eichborndamm 141-167, Berlin-Borsigwalde.

Light and Ltg

Light and Lighting. — Illuminating Engineering Society, 32 Victoria Street, London, S.W.1.

Ljuskultur

Ljuskultur. — Publication address: Sveavägen 28-30, 6 tr., Stockholm.

Lucas tech. Rev.

Lucas Technical Review. - Joseph Lucas, Birmingham 19.

Mag. Concrete Res.

Magazine of Concrete Research. - Cement and Concrete Association, 52 Grosvenor Gardens, London, S.W.1.

Marconi Instrum.

Marconi Instrumentation. - Marconi Instruments, St. Albans, Hertfordshire.

Marconi Rev.

Marconi Review. - Marconi's Wireless Telegraph Company, Marconi House, Chelmsford.

Marelli. — Ercole Marelli, Via Borgonuovo 24, Milan.

Math. Comput.

Mathematics of Computation. - Publishers: The National Academy of Sciences - National Research Council. Subscription address: The Printing and Publishing Office, The National Academy of Sciences, 2101 Constitution Avenue, Washington 25, D.C.

Math. Tables Aids Comput.

Mathematical Tables and Other Aids to Computation. - Title changed to: Mathematics of Computation [Math. Comput.].

Math. Z.

Mathematische Zeitschrift. - Springer Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf.

Matronics

Matronics. - Philips Gloeilampenfabrieken, Eindhoven.

Mech. Engng

Mechanical Engineering. - American Society of Mechanical Engineers, 29 West 39th Street, New York 18, N.Y.

Meded. K. Vlaamse Acad. Wetensch.

Mededelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. - Paleis der Academiën, Hertogsstraat 1, Brussels.

Mem. Acad. Roy. Belgique Cl. Sci.

Mémoires de la Classe des Sciences de l'Académie Royale de Belgique. Collection in 4°; Collection in 8°. — Palais des Académies, Rue Ducale 1, Brussels.

Mem. Accad. Naz. Lincei

Atti dell' Accademia Nazionale dei Lincei. Memorie. Classe die Scienze Fisiche, Matematiche e Naturali. - Via della Lungara 10, Rome.

Mem. Coll. Sci. Univ. Kyoto Memoirs of the College of Science, University of Kyoto. Series A; Series A (Mathematics). - Kitashirakawa, Sakyo-ku, Kyoto.

Mem. Fac. Engng Hokkaido Univ.

Memoirs of the Faculty of Engineering, Hokkaido University. - Sapporo, Japan.

Mem. Fac. Engng Kobe Univ.

Memoirs of the Faculty of Engineering, Kobe University. - Nada-ku, Kobe.

Mem. Fac. Engng Kyoto Univ.

Memoirs of the Faculty of Engineering, Kyoto University. - Kvoto.

Mem. Fac. Engng Kyushu Univ.

Memoirs of the Faculty of Engineering, Kyushu University. - Fukuoka, Kyushu.

Mem. Fac. Engng Nagoya Univ.

Memoirs of the Faculty of Engineering, Nagoya University. - 6-chome, Minami-Sotobori-cho, Naka-ku, Nagoya.

Mem. Fac. Industr. Arts Kyoto Tech. Univ. Memoirs of the Faculty of Industrial Arts, Kyoto Technical

University. Science and Technology. - Matsugasaki, Sakyoku, Kyoto.

Mem. Fac. Sci. Kyusyu Univ.

Memoirs of the Faculty of Science, Kyūsyū (Kyūshu) University. Series B (Physics). - Hukuoka (Fukuoka), Kyushu.

Mem. Manchester Lit. Phil. Soc.

Memoirs and Proceedings of the Manchester Literary and Philosophical Society. - Portico Library, 57 Mosley Street, Manchester 2.

Mem. Roy. Astron. Soc.

Memoirs of the Royal Astronomical Society. - Burlington House, London, W.1.

Mem. Soc. Astron. Ital.

Memorie della Società Astronomica Italiana. - Via Brera 28, Milan.

Mem. Soc. Roy. Sci. Liege.

Memoires de la Société Royale des Sciences de Liège. - L'Université, 7 Place du 20 Août, Liège.

Meteorological Abstracts. - Title changed to: Meteorologica and Geoastrophysical Abstracts (Meteorol. geoastrophys. Abstr.).

Meteorol. Ann.

Meteorologiske Annaler. — Norske Meteorologiske Institutt (i samarbeid med Universitetets Institutt for Teoretisk Meteorologi). Publication address: H. Aschehoug, Oslo.

Meteorol. geoastrophys. Abstr.

Meteorological and Geoastrophysical Abstracts. - The American Meteorological Society, 45 Beacon Street, Boston,

Meteorol. Rep. Meteorol. Off. (London)

Meteorological Reports. Meteorological Office (Air Ministry). - H.M. Stationery Office, Kingsway, London, W.C. Metropolitan-Vickers Gaz.

Metropolitan-Vickers Gazette. - Replaced by: A.E.I. Engineering Review [A.E.I. Engng Rev.].

Mining elect. mech. Engr

Mining Electrical and Mechanical Engineer. - The Association of Mining Electrical and Mechanical Engineers, 28 Kennedy Street, Manchester 2.

Misc. Publ. Nat. Bur. Stand.

Miscellaneous Publications of the National Bureau of Standards. - U.S. Government Printing Office, Washington 25, D.C.

Mitt. Inst. Geophys. E.T.H. Zürich

Mitteilungen aus dem Institut für Geophysik. - Eidgenössische Technische Hochschule, Leonhardstrasse 33, Zürich 6.

Molecular Phys.

Molecular Physics. - Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4.

Monogr. Res. Inst. Appl. Elect.

Monograph of the Research Institute of Applied Electricity. - Hokkaido University, Sapporo.

Monthly Not. Roy. Astron. Soc.

Monthly Notices of the Royal Astronomical Society.

- Burlington House, London, W.1.

Monthly Notes Astron. Soc. S. Africa

Monthly Notes of the Astronomical Society of Southern Africa. - Royal Observatory, Observatory, Cape Province, Union of South Africa. Subscription address: Circulation Manager, 3 Leeuwendal Crescent, Cape Town.

Muirhead Tech.

Muirhead Technique. - Muirhead and Co., Beckenham, Kent. Mullard tech. Commun.

Mullard Technical Communications. - Mullard House, Torrington Place, London, W.C.1.

Nachr. Akad. Wiss. Göttingen, math.-phys. Kl.

Nachrichten der Akademie der Wissenschaften in Göttingen. II. Mathematisch-physikalische Klasse. - Göttingen.

Nachrichtentech. Fachber. (N.T.F.)

Nachrichtentechnische Fachberichte (NTF). Beihefte der NTZ. - Friedr. Vieweg, Postfach 185, Brunswick.

Nachrichtentech. Z. (N.T.Z.)

Nachrichtentechnische Zeitschrift. - Friedr. Vieweg. Postfach 185, Brunswick.

Nachrichtentechnik

Nachrichtentechnik. — V.E.B. Verlag Technik, Oranienburger Str. 13/14, Berlin, C.2.

Nat. Bur. Stand. Monogr.

National Bureau of Standards Monograph. — U.S. Government Printing Office, Washington 25, D.C.

Nature (London)

Nature. - MacMillan and Co., St. Martin's Street, London, W.C.2; St. Martin's Press, 175 Fifth Avenue, New York 10, N.Y.

Naturwissenschaften

Die Naturwissenschaften. - Springer-Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf (West Berlin).

Ned. Tijdschr. Natuurkde

Nederlands Tijdschrift voor Natuurkunde. - Publisher: Martinus Nijhoff, Lange Voorhout 9, The Hague.

New Zealand Engng

New Zealand Engineering. (Journal of the New Zealand Institution of Engineers). - Publisher: Technical Publications, Dominion Bldg, C.P.O. Box 1001, Wellington. New Zealand J. Sci.

New Zealand Journal of Science. - Department of Scientific and Industrial Research, Box 8018, Wellington.

Noise Control

Noise Control. - Published for the Acoustical Society of America by the American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

Nondestr. Test.

Nondestructive Testing. — Society for Nondestructive Testing, 1109 Hinman Avenue, Evanston, Illinois.

Nuclear Engineering. — Temple Press, Bowling Green Lane, London, E.C.1.

Nuclear Instrum.

Nuclear Instruments and Methods. — North-Holland Publishing Company, P.O. Box 103, Amsterdam.

Nuclear Physics. - North-Holland Publishing Company, P.O. Box 103, Amsterdam.

Nuclear Pwr

Nuclear Power. - Rowse Muir Publications, 77-79 Charlotte Street, London, W.1.

Nuclear Sci. Engng

Nuclear Science and Engineering. Journal of the American Nuclear Society. - Publisher: Academic Press, 111 Fifth Avenue, New York 3, N.Y.

Nucleonics

Nucleonics. - McGraw-Hill Publishing Co., 330 W. 42nd Street, New York 36, N.Y.

Nukleonik

Nukleonik. - Springer-Verlag, Neuenheimer Landstrasse 28-30, Heidelberg (17a).

Nukleonika

Nukleonika. — Polska Akademia Nauk, Palac Kultury i Nauki. Warsaw.

Nuovo Cimento

Il Nuovo Cimento. - Società Italiana di Fisica. Publication address: Nicola Zanichelli, Via Irnerio 34, Bologna.

Nuovo Cimento Suppl.

Supplemento al Nuovo Cimento. - Società Italiana di Fisica. Publication address: Nicola Zanichelli, Via Irnerio 34,

Observatory

Observatory. — Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex. Agents: Wm. Dawson and Sons. Cannon House, Macklin Street, London, W.C.2.

Occ. Notes Roy. Astron. Soc.

Occasional Notes of the Royal Astronomical Society. -Succeeded by: Quarterly Journal of the Royal Astronomical Society [Quart. J. Roy. Astron. Soc.]

L'Onde Électrique. — Société Française des Electroniciens et des Radioelectriciens, 10 Avenue Pierre-Larousse. Malakoff (Seine). Publisher: Editions Chiron, 40 rue de Seine, Paris 6.

Optica Acta

Optica Acta. - Taylor and Francis, Red Lion Court. Fleet Street, London, E.C.4.

Optics and Spectrosc.

Optics and Spectroscopy. — The Optical Society of America, 1155 Sixteenth Street, N.W., Washington, D.C. A translation of: Optika i Spektroskopiya].

Optik. - Wissenschaftliche Verlagsgesellschaft, Postfach 40, Stuttgart 1.

Optika i Spektrosk.

Optika i Spektroskopiya. - Akademiya Nauk SSSR, Lenin Prospekt, Moscow. [A translation is published as Optics and Spectroscopy].

Österr. Ingen.-Z.

Österreichische Ingenieur-Zeitschrift. - Springer-Verlag, Mölkerbastei 5, Vienna I.

Österr. Z. ElektWirtsch. (O.Z.E.)

Österreichische Zeitschrift für Elektrizitätswirtschaft. - Verband der Elektrizitätswerke Österreichs. Publisher: Springer-Verlag, Mölkerbastei 5, Vienna I.

P.T.T. Bedrijf

P.T.T.-Bedrijf. - Direction Centrale des P.T.T., 12 Kortenaerkade, The Hague.

Pakistan Journal of Science. - Pakistan Association for the Advancement of Science, University Institute of Chemistry, Lahore.

Pakistan J. sci. industr. Res.

Pakistan Journal of Scientific and Industrial Research, - Pakistan Council of Scientific and Industrial Research. 141-S/2 P.E.C.H.S., Karachi-29.

Pakistan J. sci. Res.

Pakistan Journal of Scientific Research. - Pakistan Association for the Advancement of Science, University Institute of Chemistry, Lahore.
Pap. Instn Post Off. Elect. Engrs

Institution of Post Office Electrical Engineers, Printed Papers. - G.P.O., 2-12, Gresham Street, E.C.2.

Pap. phys. Oceanogr. Meteorol.

Papers in Physical Oceanography and Meteorology. - Massachusetts Institute of Technology, Cambridge, Massachusetts; Woods Hole Oceanographic Institution, Woods Hole, Massachusetts.

Period. math.-phys. astron. (Zagreb)

Periodicum Mathematico-physicum et Astronomicum (Glasnik Matematičko-Fizički i Astronomski). — Društvo Matematičara i Fizićaro. Societas Mathematicorum et Physicorum Croatiae]. Publication address: Marulićev trg 19, Zagreb.

Periodica polytech., Elect. Engng

Periodica Polytechnica (Electrical Engineering-Elektrotechnik). — P.O.B. 440, Budapest 62.

Phil. Mag.

Philosophical Magazine. — Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4.

Phil. Trans.

Philosophical Transactions of the Royal Society of London. Series A (Mathematical and Physical Sciences).
— Burlington House, London, W.1.

Philips Res. Rep.

Philips Research Reports. — Philips' Gloeilampenfabrieken. Subscription address: N.V. Uitgeversmaatschappij Centrex Cederlaan 2, Eindhoven.

Philips tech. Rev.

Philips Technical Review. — Philips' Gloeilampenfabrieken, Eindhoven.

Philips telecomm. Rev.

Philips Telecommunication Review. — Philips' Gloeilampenfabrieken, Eindhoven. Subscription address: Cleaver-Hume Press, 31 Wright's Lane, Kensington, London, W.8.

Phys. Blätt.

Physikalische Blätter. — Physik-Verlag, Mosbach/Baden.

Phys. Chem. Glasses

Physics and Chemistry of Glasses (Section B of the Journal of the Society of Glass Technology). — Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield 10.

Phys. of Fluids

Physics of Fluids. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

Phys. Rev.

Physical Review. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

Phys. Rev. Letters

Physical Review Letters. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

Phys. Today

Physics Today. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

Physica

Physica. — The Physica Foundation, Amsterdam. Subscription address: Dr. W.J.Beekman (Treasurer), Lucas Bolwerk 4, Utrecht.

Planseeber. für Pulvermetall.

Planseeberichte für Pulvermetallurgie (incorporating: Powder Metallurgy Bulletin). — Postfach 74, Reutte/Tirol, Austria.

Point to Point Telecomm.

Point to Point Telecommunications. — Communications Division, Marconi's Wireless Telegraph Company, Chelmsford, England.

Portugal. Math.

Portugaliae Mathematica. — Rue Nova da Trindade, $1,5^{\circ}$ -S., Lisbon.

Post Off. elect. Engrs' J.

Post Office Electrical Engineers' Journal. — G.P.O., 2-12, Gresham Street, E.C.2.

Poste e Telecom.

Poste e Telecomunicazioni. - Via della Vite 107, Rome.

Powder Metall. Bull.

Powder Metallurgy Bulletin. — Incorporated in: Plansee-berichte für Pulvermetallurgie.

Power Engr

Power Engineer. — The Society of Power Engineers, Cleremont, Simla 4. Publication address: Bikaner House, Shahjahan Road, New Delhi 2.

Prace Inst. Łaczności

Prace Instytutu Łączności. — Instytut Łączności, ul. Ratuszowa 11, Warsaw 4.

Prace Inst. Tele- i Radiotech.

Prace Instytutu Tele- i Radiotechnicznego. — Instytut Tele- i Radiotechniczny, ul. Ratuszowa 11, Warsaw 4.

Prace Przemysłowego Instytutu Telekomunikacji.

— Editorial address: Poligonowa 30, Warsaw.

Prace Ustavu pro Elektrotech. CSAV

Prace Ustavu pro Elektrotechniky ČSAV. — Československa Akademie Ved, Narodni tř. 3, Prague 1.

Priborostroenie

Priborostroenie. — Editorial address: ul. Gor'kovo b.6, Moscow K-9. [A translation is published as: Instrument Construction].

Pribory i Tekh. Eksper.

Pribory i Tekhnika Éksperimenta. — Agent: Mezhdunarodnaya Kniga, Moscow. [A translation is published as: Instruments and Experimental Techniques].

Priklad. Mat. i Mekh.

Prikladnaya Matematika i Mekhanika. — Akademiya Nauk SSSR, Lenin Prospekt, Moscow.

Proc. Amer. Acad. Arts Sci.

Proceedings of The American Academy of Arts and Sciences.
— See under Dædalus.

Proc. Amer. Pwr Conf.

Proceedings of the American Power Conference. — Illinois Institute of Technology, Technology Center, Chicago 16, Illinois.

Proc. Automobile Div. Instn Mech. Engrs

Proceedings of the Automobile Division, Institution of Mechanical Engineers. — 1 Birdcage Walk, London, S.W.1.

Proc. Cambridge Phil. Soc.

Proceedings of the Cambridge Philosophical Society.

— Free School Lane, Cambridge. Publisher: Cambridge University Press, Bentley House, 200 Euston Road, London, N.W.1; 32 East 57th Street, New York 22, N.Y.

Proc. Egypt. Acad. Sci.

Proceedings of the Egyptian Academy of Sciences.
— "Dar el Hikma", 42 Qasr el Aini Street, Cairo.

Proc. Indian Acad. Sci.

Proceedings of the Indian Academy of Sciences, Section A. — Bangalore.

Proc. Indian Assoc. Cultiv. Sci.

Proceedings of the Indian Association for the Cultivation of Science. — Contained in Indian Journal of Physics [Indian J. Phys.].

Proc. Inst. Radio Engrs

Proceedings of the Institute of Radio Engineers. — 1 East 79th Street, New York 21, N.Y.

Proc. Instn Civil Engrs

Proceedings of the Institution of Civil Engineers.

— Great George Street, London, S.W.1.

Proc. Instn Elect. Engrs

Proceedings of The Institution of Electrical Engineers, Part A (Power Engineering); Part B (Electronic and Communication Engineering, including Radio Engineering); Part C (Monographs). — Savoy Place, London, W.C.2.

Proc. Instn Elect. Engrs Paper, Proc. Instn Elect. Engrs Monogr. Proceedings of The Institution of Electrical Engineers, Papers and Monographs. — Savoy Place, London, W.C.2. [Papers read at meetings, and Monographs, are published individually in advance of republication in the Proceedings; page numbers in the Proceedings will be found in a later abstract].

Proc. Instn Mech. Engrs

Proceedings of The Institution of Mechanical Engineers.
— 1 Birdcage Walk, London, S.W.1.

Proc. Instn Radio Engrs Australia

Proceedings of the Institution of Radio Engineers, Australia.
— Science House, Gloucester Street, Sydney.

Proc. Instn Rly Signal Engrs

Proceedings of the Institution of Railway Signal Engineers.

— Room 252, British Transport Commission,
222 Marylebone Road, N.W.1.

Proc. Iowa Acad. Sci.

Proceedings of the Iowa Academy of Science. — Iowa State University, Ames, Iowa.

Proc. Iraqi Sci. Socs.

Proceedings of the Iraqi Scientific Societies. — Baghdad. Subscription address: Dr. Abdul K. Khudairi, College of Sciences, Adhamia, Iraq.

Proc. Japan Acad.

Proceedings of the Japan Academy. — Ueno Park, Tokyo.

Proc. K. Ned. Akad. Wetensch.

Proceedings, Koninklijke Nederlandse Akademie van Wetenschappen. Series B (Physical Sciences). — Publisher: North-Holland Publishing Company, Amsterdam.

Proc. Leeds Phil. Lit. Soc.

Proceedings of the Leeds Philosophical and Literary Society
— The University, Leeds.

Proc. Math. Phys. Soc. Egypt

Proceedings of the Mathematical and Physical Society of Egypt. — Faculty of Science, Cairo University, Cairo.

Proc. Nat. Acad. Sci. India

Proceedings of the National Academy of Sciences of India, Section A (Physical Sciences) and Section B (Biological Sciences). - Lajpatrai Road, Allahabad-2, India.

Proc. Nat. Acad. Sci. U.S.A.

Proceedings of the National Academy of Sciences of the United States of America. - 2101 Constitution Avenue, Washington 25, D.C.

Proc. Nat. Electronics Conf.

Proceedings of the National Electronics Conference. 228 N. LaSalle Street, Chicago 1, Illinois.

Proc. Nat. Inst. Sci. India

Proceedings of the National Institute of Sciences of India, Part A (Physical Sciences). - Mathura Road, New Delhi.

Proc. Phys. Soc.

Proceedings of the Physical Society. — The Institute of Physics and the Physical Society, 1 Lowther Gardens, Prince Consort Road, London, S.W.7.

Proc. Roy. Irish Acad.

Proceedings of the Royal Irish Academy. - Dawson Street, Dublin.

Proc. Roy. Soc.

Proceedings of the Royal Society of London. Series A (Mathematical and Physical Sciences). - Burlington House, London, W.1.

Proc. Roy. Soc. Edinburgh

Proceedings of the Royal Society of Edinburgh. Section A (Mathematical and Physical Sciences). - 22-24 George Street, Edinburgh, 2.

Proc. Roy. Soc. Victoria

Proceedings of the Royal Society of Victoria. - Royal Society's Hall, 9 Victoria Street, Melbourne, C.1.

Proc. Univ. Durham Phil. Soc.

Proceedings of the University of Durham Philosophical Society. Series A (Science). — University of Durham, 46 North Bailey, Durham, England.

Prof. Notes Meteorol. Off. (London)

Professional Notes. Meteorological Office (Air Ministry). - H.M. Stationery Office, Kingsway, London, W.C.2.

Progr. theor. Phys.

Progress of Theoretical Physics. - Research Institute for Fundamental Physics, The Physical Society of Japan. Publication Office: Yukawa Hall, Kyoto University, Kyoto.

Przeglad Elektroniki. - Subscription address: PKWZ "Ruch", ul. Wilcza 46, Warsaw.

Przeglad elektrotech.

Przeglad Elektrotechniczny. - al. Czackiego 3/5, Warsaw. Przeglad telekomun.

Przeglad Telekomunikacyjny. — Subscription address: Centrali Kolportazu Prasy i Wydawnictw "Ruch", ul. Srebna 12, Warsaw.

Pubbl. Ist. Elettrotec. Naz. Ferraris
Pubblicazioni dell' Istituto Elettrotecnico Nazionale "Galileo Ferraris". — Corso Massimo d'Azeglio 42, Turin.

Publ. Astron. Soc. Japan

Publications of the Astronomical Society of Japan. - Tokyo Astronomical Observatory, Mitaka, Tokyo.

Publ. Astron. Soc. Pacific

Publications of the Astronomical Society of the Pacific. - 675 Eighteenth Avenue, San Francisco 21, California.

Publ. Dominion Astrophys. Obs. Victoria, B.C.

Publications of the Dominion Astrophysical Observatory, Victoria, British Columbia. — Dominion Astrophysical Observatory, Victoria, B.C.

Publ. Dominion Obs. Ottawa

Publications of the Dominion Observatory, Ottawa. — Dominion Observatory, Department of Mines and Technical Surveys, Ottawa.

Publ. Inst. Roy. Meteorol. Belgique

Publications, Institut Royal Météorologique de Belgique. Serie A, format in 4°; Serie B, format in 8°. — 3 Avenue Circulaire, Uccle-Brussels.

Pwr Apparatus Syst.

Power Apparatus and Systems. - Part III of the Transactions of the American Institute of Electrical Engineers. [Trans. Amer. Inst. Elect. Engrs].

Q.S.T. - American Radio Relay League, 38 La Salle Road, West Hartford 7, Connecticut.

Quad. Stud. Not.

Quaderni di Studi e Notizie. - Società Edison, Foro Bonaparte 31, Milan.

Quart. appl. Math.

Quarterly of Applied Mathematics. - Box 1909, Brown University, Providence 12, Rhode Island.

Quart. J. Roy. Astron. Soc.

Quarterly Journal of the Royal Astronomical Society (Successor to: Occasional Notes of the Royal Astronomical Society). - Royal Astronomical Society, Burlington House, London, W.1.

Quart. J. Roy. Meteorol. Soc.

Quarterly Journal of the Royal Meteorological Society. - 49 Cromwell Road, London, S.W.7.

R.C.A. Rev.

R.C.A. Review. -- Radio Corporation of America, R.C.A. Laboratories Division, Princeton, New Jersey.

R.C. Accad. Naz. Lincei

Atti dell' Accademia Nazionale dei Lincei. Rendiconti. Classe di Scienze Fisiche, Matematiche e Naturali.
— Via della Lungara 10, Rome.

R.C. Ist. Super. Sanità.

Rendiconti dell' Istituto Superiore di Sanità. - Fondazione Emanuele Paternò, Viale Regina Elena 299, Rome.'

R.C. Riun. Assoc. Elettrotec. Ital

Rendiconti della Riunione Annuale dell' Associazione Elettrotecnica Italiana. - Via S. Paolo 10, Milan.

Radiation Research

Radiation Research. - The Radiation Research Society. Publisher: Academic Press, 111 Fifth Avenue, New York 3, N.Y.

Radio Mentor

Radio Mentor. - Walter Regelien, Hubertusbader Str. 16, Berlin-Grunewald.

Radio Res. Special Rep. (London)

Radio Research Special Reports. - Department of Scientific and Industrial Research, Charles House, 5-11 Regent Street, London, S.W.1.

Radio-Electronics

Radio-Electronics. - 154 West 14th Street, New York 11, N.Y.

Radiology. - Radiological Society of North America, 713 E. Genesee Street, Syracuse 2, New York, N.Y.

Radiotekhnika

Radiotekhnika. — Chistoprudnyi bul'var 2, Moscow.

Radiotekhnika i Elektronika

Radiotekhnika i Elektronika. - Akademiya Nauk SSSR. Lenin Prospekt, Moscow.

Rdfunktech. Mitt.

Rundfunktechnische Mitteilungen. — Institut für Rundfunktechnik, Mittelweg 113, Hamburg 13.

Reactor Sci.

Reactor Science (Journal of Nuclear Energy. Part A). - Pergamon Press, Headington Hill Hall, Oxford; 122 East 55th Street, New York 22, N.Y.

Recueil Trav. chim. Pays-Bas

Recueil des Travaux Chimiques des Pays-Bas. - Koninklijke Nederlandse Chemische Vereniging, Lange Voorhout 5, The Hague.

Regelungstech. Praxis

Regelungstechnische Praxis (Published as a Supplement to Regelungstechnik). - R.Oldenbourg, Rosenheimer Strasse 145, Munich.

Regelungstechnik

Regelungstechnik. - R.Oldenbourg, Rosenheimer Strasse 145, Munich.

Rep. Brit. Elect. Res. Assoc.

Reports of the British Electrical and Allied Industries Research Association. — Cleeve Road, Leatherhead, Surrey.

Rep. Elect. Commun. Lab. (Tokyo)

Reports of the Electrical Communication Laboratory. -Title changed to: Review of the Electrical Communication Laboratory [Rev. Elect. Commun. Lab. (Tokyo)].

Rep. Govt. Industr. Res. Inst.

Reports of the Government Industrial Research Institute, Nagoya. — Hirate-machi, Kita-ku, Nagoya.

Rep. Ionosphere Res. Japan

Report of Ionosphere Research in Japan. - Title changed to: Report of Ionosphere and Space Research in Japan.

Rep. Ionosphere Space Res. Japan

Report of Ionosphere and Space Research in Japan. - Science Council of Japan, Ueno Park, Tokyo.

Rep. Progr. Phys.

Reports of the Physical Society on Progress in Physics. - The Institute of Physics and the Physical Society, 1 Lowther Gardens, Prince Consort Road, London, S.W.7. Res. Bull. Saugar Univ. Phys. Soc.

Research Bulletin of the Saugar University Physical Society. - Saugar, M.P. (India).

Research

Research. - Butterworths, 88 Kingsway, London, W.C.2.

Researches Electrotech. Lab. (Tokyo)

Researches of the Electrotechnical Laboratory. - 2-chome, Nagata-cho, Chiyoda-ku, Tokyo.

Rev. A

Revue A. - Presses Académiques Européennes, 98 chaussee de Charleroi, Brussels 6.

Rev. Acad. Ci. Madrid

Revista de la Real Academia de Ciencias Exactas Fisicas y Naturales de Madrid. - Valverde 22, Madrid.

Rev. Cienc. apl.

Revista de Ciencia Aplicada. - Serrano, 150 [Apartado de Correos 743], Madrid.

Rev. E

Revue E. - 1, Place du Trône, Brussels 1. (Supplement to the Bulletin de la Société Royale Belge des Electriciens [Bull. Soc. Roy. Belge Elect.]).

Rev. Elect. Commun. Lab. (Tokyo)

Review of the Electrical Communication Laboratory (Formerly: Reports of the Electrical Communication Laboratory). -The Electrical Communication Laboratory, Nippon Telegraph and Telephone Public Corporation, 1551, Kitizyozi, Musasino-si, Tokyo.

Rev. Elect. Mecan.

Revue d'Électricité et de Mécanique. - Alsthom, 38 Avenue Kléber, Paris 16.

Rev. Electrotec.

Revista Electrotécnica. — Asociación Argentina de Electrotécnicos, Posadas 1659, Buenos Aires.

Rev. d' Electrotech. et d' Energetique

Revue d'Electrotechnique et d'Energetique. - Academia Republicii Populare Romine. Subscription address: Libraria Academiei, 27 Calea Victoriei, Bucarest.

Rev. Fac. Engen., Univ. Porto

Revista da Faculdade de Engenharia, Universidade do Porto. - Porto.

Rev. Fac. Sci. Univ. Istanbul

Revue de la Faculté des Sciences de l'Université d'Istanbul (Istanbul Universitesi Fen Fakültesi Mecmuasi). Série C (Astronomie, Physique, Chimie). - Beyazit, Istanbul.

Rev. Fis. (Rio de Janeiro)

Revista de Fisica. - Escola Nacional de Engenharia, Instituto de Oleos, Av. Maracana No. 252, Rio de Janeiro.

Rev. gen. Elect.

Revue Générale de l'Électricité. - 12 Place Henri-Bergson (ex-Place de Laborde), Paris 8.

Rev. Geofis.

Revista de Geofísica. - Instituto Nacional de Geofísica, Serrano 161, Madrid.

Revue H.F. - Société Belge des Ingenieurs des Télécommunications et d'Electronique, 55 Rue Defacqz, Brussels 5.

Rev. Jeumont

Revue Jeumont. — Forges et Ateliers de Constructions Electriques de Jeumont, 5 Place de Rio de Janeiro, Paris 8.

Rev. Mexicana Fis.

Revista Mexicana de Física. — Sociedad Mexicana de Física, Apartado Postal No. 31364, Mexico 20, D.F.

Rev. mod. Phys.

Reviews of Modern Physics. - American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

Rev. Obras publ.

Revista de Obras Publicas. — Alfonso XII, 3, Escuela de Caminos, Madrid 7.

Rev. Opt.

Revue d'Optique (Théorique et Instrumentale). - 3 et 5 Boulevard Pasteur, Paris 15.

Rev. de Physique [Bucarest]

Revue de Physique. - Academiei Republicii Populare Romine. Subscription address: 27 Calea Victoriei, Bucarest.

Rev. S-W

Revue S-W. - Le Matériel Electrique S-W, 32 Cours Albert I, Paris 8.

Rev. sci. Instrum.

Review of Scientific Instruments. - American Institute of Physics, 335 East 45th Street, New York 17, N.Y.

Rev. Soc. Roy. Belge Ingen. Industr.

Revue de la Société Royale Belge des Ingénieurs et des Industriels. - Hôtel Ravenstein, 3 Rue Ravenstein, Brussels 1

Rev. tech. C.F.T.H.

Revue Technique de la Compagnie Française Thomson-Houston. - 173 Bd. Haussmann, Paris 8.

Rev. Telecom.

Revista de Telecomunicación. — Consejo Tecnico de Telecomunicacion, Palacio de Comunicaciones, Madrid.

Rev. Univ. Nac. La Plata

Revista Universidad Nacional de La Plata. - Facultad de Ciencias Físicomatematicas, Universidad Nacional de La Plata, La Plata.

Rev. Univ. Tucuman

Revista de la Universidad Nacional de Tucuman. Serie A (Matemática y Física Teórica). - Tucumán, Argentina.

Ricerche spettrosc

Ricerche Spettroscopische. - Specola Vaticana, Vatican City.

Ricerca sci.

La Ricerca Scientifica. — Consiglio Nazionale delle Ricerche. Publication address: Piazzale delle Scienze, 7.

Rohde u. Schwarz Mitt.

Rohde und Schwarz Mitteilungen. - Subscription address: R. Oldenbourg, Rosenheimer Strasse 145, Munich 8.

Rozprawy elektrotech.

Rozprawy Elektrotechniczne. - Polska Akademia Nauk, Instytut Podstawowych Promblemów Techniki. Subscription address: PKWZ "Ruch", ul. Wilcza 46, Warsay

S. African J. Sci.

South African Journal of Science. - South African Association for the Advancement of Science, Kelvin House, Marshall and Holland Streets, Johannesburg.

S.B. Dtsch. Akad. Wiss. Berlin, Kl. Math. Phys. Tech Sitzungsberichte der Deutschen Akademie der Wissenschaft zu Berlin, Klasse für Mathematik, Physik und Technik. Publisher: Akademie-Verlag, Mohrenstrasse 39, Berlin, W

S.B. Heidelberg. Akad. Wiss. Sitzungsberichte der Heidelberger Akademie der Wissen-

schaften. (Mathematisch-naturwissenschaftliche Klasse). - Publisher: Springer-Verlag, Neuenheimer Landstrasse 28-30, Heidelberg.

S.B. Österr. Akad. Wiss. mat.-nat. Kl. Abt. II Sitzungsberichte. Österreichische Akademie der Wissenschaften. Mathematisch-naturwissenschaftliche Klasse. Abteilung II (Mathematik, Astronomie, Physik, Meteorologi und Technik). - Springer-Verlag, Mölkerbastei 5, Vienna

S.E.L. Nachr.

S.E.L. Nachrichten. - Standard Elektrik Lorenz, Hellmuth-Hirth-Strasse 42, Stuttgart-Zuffenhausen.

Schweiz. Arch. angew. Wiss. Tech.

Schweizer Archiv für angewandte Wissenschaft und Techni (Annales Suisses des Sciences Appliquées et de la Techniq - Buchdruckerei Vogt-Schild, Solothurn.

Schweiz. Bauztg

Schweizerische Bauzeitung. - Schweizerischer Ingenieur und Architekten-Verein. Publisher: W.Jegher and A.Ostertag, Dianastrasse 5, Zürich.

Schweiz. tech. Z. (S.T.Z.)

Schweizerische Technische Zeitschrift (Revue Technique Suisse-Revista Tecnica Svizzera). - Publication address Büchler and Co., Marienstrasse 8, Berne.

Sci. American

Scientific American. - 415 Madison Avenue. New York 17, N.Y.

Sci. and Culture

Science and Culture. - Indian Science News Association. 92 Acharya Prafullachandra Road, Calcutta 9.

Sci. Engng Rev. Doshisha Univ.

Science and Engineering Review of Doshisha University (Formerly: Doshisha Engineering Review). - Science and Engineering Research Institute of Doshisha University, Kyoto.

Sci. J. Rov. Coll. Sci.

Scientific Journal of the Royal College of Science.

- Imperial College Union, South Kensington, London, S.W.7.

Sci. of Light (Tokyo)

Science of Light. - Published by the Institute for Optical Research, Tokyo University of Education (in collaboration with the Spectroscopical Society of Japan). 400, 4-chome, Hyakunin-machi, Shinjuku-ku. Tokyo.

Sci. Pap. Coll. Gen. Educ. Univ. Tokyo

Scientific Papers of the College of General Education, University of Tokyo. - Komaba, Meguro-ku, Tokyo.

Sci. Pap. Inst. Phys. Chem. Res. (Tokyo) Scientific Papers of the Institute of Physical and Chemical Research. - Institute of Physical and Chemical Research.

Komagome, Bunkyo-ku, Tokyo.

Sci. Proc. Roy. Dublin Soc. Scientific Proceedings of the Royal Dublin Society, Series A. - Ball's Bridge, Dublin.

Science Progress. - Edward Arnold, 41 Maddox Street, London, W.1.

Sci. Rep. Res. Insts Tohoku Univ.

Science Reports of the Research Institutes, Tôhoku University. Series A (Physics, Chemistry and Metallurgy). - Tôhoku University, Sendai.

Sci. Rep. Saitama Univ.

Science Reports of the Saitama University. Series A (Mathematics, Physics and Chemistry). - Saitama University, Urawa, Japan.

Sci. Rep. Tohoku Univ.

Science Reports of the Tôhoku University. First Series (Physics, Chemistry, Astronomy). - Faculty of Science, Tôhoku University, Sendai.

Sci. Rep. Yokohama Nat. Univ.

Science Reports of the Yokohama National University. Section I (Mathematics, Physics). - Faculty of Liberal Arts and Education, Yokohama National University, Kamakura, Japan.

Science. - American Association for the Advancement of Science, 1515 Massachusetts Avenue N.W., Washington 5, D.C.

Science Record

Science Record. - Academia Sinica. Publishers: Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking.

Science Tools

Science Tools. — L.K.B. Produkter Fabriksaktiebolag, Box 12220, Stockholm 12.

Scientia (Asso)

Scientia. - 4 Via Roncaglia, Asso (Como), Italy.

Scientia (Valparaiso)

Scientia. - Universidad Técnica Federico Santa Maria, Casilla 110-V, Valparaiso.

Scientia Electrica

Scientia Electrica. - Institut für Höhere Elektrotechnik, Eidgenössische Technische Hochschule, Zürich.

Scientia Sinica. — Academia Sinica, Peking. Agent: Guozi Shudian, P.O. Box 399, Peking.

Semiconductor Prod.

Semiconductor Products. — Cowan Publishing Corporation, 300 West 43rd Street, New York 36, N.Y.

Siemens Edison Swan J.

Siemens Edison Swan Journal. — Replaced by: A.E.I. Engineering Review [A.E.I. Engng Rev.].

Siemens Rev.

Siemens Review. - Siemens-Schuckertwerke AG, Werner-von-Siemens-Strasse 50, Erlangen. [English translations of selected articles from Siemens Zeitschrift]. Siemens Z.

Siemens-Zeitschrift. - Siemens-Schuckertwerke Aktiengesellschaft, Werner-von-Siemens-Strasse 50, Erlangen. English translations of selected articles appear in: Siemens Review].

Simon Stevin

Simon Stevin. - Erven P. Noordhoff, Groningen and Djakarta.

Skr. Norske VidenskAkad. Oslo.

Skrifter utgitt av det Norske Videnskaps-Akademi i Oslo. I. Matematisk' Naturvidenskaplige Klasse. - Faculty of Mathematics and Science, University of Oslo, Blindern, per Oslo.

Slaboproudy Obzor

Slaboproudy Obzor. — Krakovska 8, Prague I.

Smit Meded.

Smit Mededelingen. - Willem Smit and Co.'s Transformatorenfabriek, Nijmegen.

Soviet Astron. - AJ (New York)

Soviet Astronomy-AJ. - Published by the American Institute of Physics, with the cooperation of the American Astronomical Society. Subscription address: American Institute of Physics, 335 East 45th Street, New York 17, N.Y. [A translation of: Astronomicheskii Zhurnal].

Soviet Physics-Acoustics (New York)

Soviet Physics-Acoustics. - American Institute of Physics, 335 East 45th Street, New York 17, N.Y. [A translation of: Akusticheskii Zhurnal].

Soviet Physics-Crystallography (New York)

Soviet Physics-Crystallography. - Published by the American Institute of Physics, with the cooperation of the American Crystallographic Association. Subscription address: American Institute of Physics, 335 East 45th Street, New York 17, N.Y. [A translation of: Kristallografiya].

Soviet Physics-"Doklady". (New York)
Soviet Physics-"Doklady". — American Institute of
Physics, 335 East 45th Street, New York 17, N.Y. A translation of the "Physics Section" of Doklady Akademii Nauk SSSR].

Soviet Physics-JETP (New York)

Soviet Physics—JETP. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y. [A translation of: Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki].

Soviet Physics-Solid State New York

Soviet Physics-Solid State. - American Institute of Physics 335 East 45th Street, New York 17, N.Y. (A translation of: Fizika Tverdogo Tela].

Soviet Physics-Technical Physics (New York) Soviet Physics-Technical Physics. — American Institute

of Physics, 335 East 45th Street, New York 17, N.Y. (A translation of: Zhurnal Tekhnicheskoi Fiziki).

Soviet Physics-Uspekh (New York)

Soviet Physics—Uspekhi. — American Institute of Physics, 335 East 45th Street, New York 17, N.Y. [A translation of Uspekhi Fizicheskikh Nauk]

State Inst. Tech. Res. Publ. (Finland)

State Institute for Technical Research. Publications. - Lönnrotinkatu 37, Helsinki.

State Inst. Tech. Res. Rep. (Finland)

State Institute for Technical Research. Reports. Series II (Metal and Electricity). - Lönnrotinkatu 37, Helsinki.

Stockholms Obs. Ann.

Stockholms Observatoriums Annaler. — Publisher: Almqvist & Wiksell, Stockholm.

Stud. Cercetari Energetica

Studii si Cercetări de Energețică. — Academiei Republicii Populare Romine. 27 Calea Victoriei, Bucarest.

Stud. Cercetari Fiz.

Studii si Cercetări de Fizica. — Academiei Republicii Populare Romine. 27 Calea Victoriei, Bucarest.

Students' quart. J. Instn Elect. Engrs

Students' Quarterly Journal of The Institution of Electrical Engineers. - Savoy Place, London, W.C.2.

Suppl. Progr. theor. Phys.

Supplement of the Progress of Theoretical Physics. Research Institute for Fundamental Physics, Physical Society of Japan. Publication Office: Yukawa Hall, Kyoto University, Kyoto.

Svenska Elverksfören. Handl.

Svenska Elverksföreningens Handlingar. — Drottninggatan 90 B, Stockholm 3.

Svenska Vattenkr Fören. Publ.

Svenska Vattenkraftföreningens Publikationer.

- Vasagatan 9, Stockholm C.

Svenska Vattenkr Fören. Publ. Medd.

Svenska Vattenkraftföreningens Publikationer. Meddelande. — Vasagatan 9, Stockholm C.

Svetotekhnika

Svetotekhnika. — Agent: Mezhdunarodnaya Kniga, Moscow. Svlvania Technol.

Sylvania Technologist. - Bayside, New York, N.Y.

T.M.C. tech. J.

T.M.C. Technical Journal. — Telephone Manufacturing Company, Hollingsworth Works, Dulwich, London, S.E.21. Tech. Chron.

Technika Chronika. — Technical Chamber of Greece, 4 Kolokotron St., Athens.

Tech. J. Brush Group

Technical Journal of the Brush Group. — Superseded by: Hawker Siddeley Technical Journal [Hawker Siddeley tech. J.]. Tech. Mitt. B.R.F.

Technische Mitteilungen aus dem Betriebslaboratorium fur Rundfunk und Fernsehen (BRF). — Agastrasse, Berlin-Adlershof.

Tech. Mitt. Krupp

Technische Mitteilungen Krupp. — Fachbücherei Krupp, Postfach 917, Essen.

Tech. Mitt. P.T.T

Technische Mitteilungen P.T.T. (Bulletin Technique P.T.T.).

— Schweizerische Post-, Telegraphen- und Telephonverwaltung, Speichergasse 6, Bern.

Tech. mod.

La Technique Moderne. — Dunod, 92 Rue Bonaparte, Paris 6.

Tech. Rep. Engng Res. Inst. Kyoto Univ.

Technical Reports of the Engineering Research Institute of Kyoto University. — Kyoto.

Technik

Technik. — V.E.B. Verlag Technik, Oranienburgerstrasse 13/14, Berlin, C.2.

Technol. Rep. Osaka Univ.

Technology Reports of the Osaka University. — Faculty of Engineering, Osaka University, Higashinoda, Osaka.

Technol. Rep. Tohoku Univ.

Technology Reports of the Tohoku University. — Sendai, Japan.

Tecn. Ital.

Tecnica Italiana. — Via Beccaria 6, Trieste.

Tecnica (Lisbon)

Técnica. — Associação dos Estudantes do Instituto Superior Técnico, Av. Rovisco Pais, Lisbon-N.

Tekn. Fören. Finland Forhandl.

Tekniska Föreningens i Finland Förhandlingar. — Title changed to: Tekniskt Forum [Tekn. Forum].

Tekn. Forum

Tekniskt Forum. — Tekniska Föreningens i Finland, Svenska Teaterhuset, Helsinki.

Tekn. Medd. TelegrStyr. (Oslo)

Tekniske Meddelelser fra Telegrafstyret. — Title changed to Telektronikk.

Tekn. Skr. (Oslo)

Tekniske Skrifter. — Norske Ingeniorforening, Kronprinsengate 17, Oslo.

Tekn. T.

Teknisk Tidskrift. — Svenska Teknologföreningen. Box 841, Stockholm 1.

Tekn. Ukeblad

Teknisk Ukeblad. — Norske Ingeniørforening og den Polytekniske Forening, Kronprinsensgate 17, Oslo 9.

Tekn. -vetensk. Forskn. (T.V.F.)

T.V.F. Teknisk-Vetenskaplig Forskning. — Ingeniörs-VetenskapsAkademien [Royal Swedish Academy of Engineering Sciences], Box 5073, Stockholm 5.

Tele

Tele. Meddelanden från Kungliga Telestyrelsen.

— Stockholm. [Published in two editions, English and Swedish. The Swedish edition appears four times a year; the English edition appears twice a year].

Telecommunications (Jabalpur)

Telecommunications. — Ridge Road, Jabalpur (MP), India.

Telecomunicatii

Telecomunicatii. — Editorial address: Str. Ion Ghica 3, Bucarest. Administration address: Calea Victoriei 118, Bucarest.

Telefunken-Röhre

Telefunken-Röhre. — Telefunken, Soflinger Strasse 100, Ulm/Donau.

Telefunken Ztg

Telefunken Zeitung. — Telefunken GmbH, Ernst-Reuter-Platz, Berlin-Charlottenburg 1.

Telegr. en Telef.

Telegraaf en Telefoon. — Vereniging van Hoger Personeel der P.T.T. Publication address: Maartensdijklaan 536, Hague.

Telektronikk

Telektronikk. — Telegrafstyrets Bibliotek, Kongensgt. 21, Oslo.

Teleteknik

Teleteknik. — Post-og Telegrafvaesenet og de Koncessionered Telefonselskaber i Danmark, Valkendorfsgade 9. Copenhagen K. [English translations of selected articles from the Danish Edition are published in an English Edition, and also occasional articles not appearing in the Danish Edition].

Tellus

Tellus. — Svenska Geofysiska Föreningen. Subscription address: Lindhagensgatan 124, Stockholm.

Tensor (N.S.)

Tensor. New Series. — The Tensor Society, c/o Faculty of Science, Hokkaido University, Sapporo.

Teor. Veriyatnost. i Primenen

Teoriya Veroyatnostei i ee Primeneniya. — Akademiya Nauk SSSR, Lenin Prospekt, Moscow.

Texas J. Sci.

Texas Journal of Science. — Texas Academy of Science, Box 7984, University Station, Austin, Texas.

Textile res. J.

Textile Research Journal. — Textile Research Institute, Publications Department, P.O. Box 625, Princeton, New Jerse Tijdschr. Ned. Radiogenoot.

Tijdschrift van het Nederlands Radiogenootschap.
— Editor: Jagtlustlaan 9, Santpoort-Zuid, Holland.

Trans Amer. Inst. Elect. Engrs

Transactions of the American Institute of Electrical Engineers. (Part I. Published bimonthly as: Communication and Electronics. Part II. Published bimonthly as: Applications and Industry. Part III. Published bimonthly as: Power Apparatus and Systems). — 33 West 39th Street, New York 18, N.Y.

Trans Bose Res. Inst. Calcutta

Transactions of the Bose Research Institute, Calcutta. — 931 Upper Circular Road, Calcutta 9.

Trans Engng Inst. Canada

Transactions of the Engineering Institute of Canada. — 2050 Mansfield Street, Montreal 2.

Trans Faraday Soc.

Transactions of the Faraday Society. — 6 Gray's Inn Square, London, W.C.1. Publisher; Aberdeen University Press, 6 Upper Kirkgate, Aberdeen.

Trans Illum. Engng Soc

Transactions of the Illuminating Engineering Society.

— 32 Victoria Street, London, S.W.1. Trans Inst. Marine Engrs

Transactions of the Institute of Marine Engineers.
— Memorial Building, 76 Mark Lane, E.C.3.

Trans Inst. Metal Finishing

Transactions of the Institute of Metal Finishing. — 32 Great Ormond Street, London, W.C.1.

Trans Instn Engrs Shipbld. Scotland

Transactions of the Institution of Engineers and Shipbuilders in Scotland. — 39, Elmbank Crescent, Glasgow, C.2.

Trans Instn Naval Archit.

Transactions of the Institution of Naval Architects. — 10 Upper Belgrave Street, London, S.W.1.

Trans N.E. Coast Instn Engrs Shipbld.

Transactions of the North East Coast Institution of Engineers and Shipbuilders. — Bolbec Hall, Newcastle upon Tyne 1.
Trans Plastics Inst.

Transactions of the Plastics Institute. — 6 Mandeville Place, London, W.1.

Trans Roy. Soc. Canada

Transactions of the Royal Society of Canada, Section III: Chemical, Mathematical and Physical Sciences. - National Research Building, Ottawa.

Trans Roy. Soc. Edinburgh

Transactions of the Royal Society of Edinburgh. - 22 George Street, Edinburgh 2.

Trans Roy. Soc. S. Africa

Transactions of the Royal Society of South Africa.

- University of Cape Town, Rondebosch.

Trans S. African Inst. Elect. Engrs

Transactions of the South African Institute of Electrical Engineers. - Kelvin House, Marshall and Holland Streets, (P.O. Box 5907) Johannesburg.

Trans Soc. Instrum. Technol.

Transactions of the Society of Instrument Technology. - 20, Queen Anne Street, London, W.1.

Trav. Inst. Sci. Cherifien Ser. Sci. phys.

Travaux de l'Institut Scientifique Cherifien, Serie Sciences Physiques. - Societe des Sciences Naturelles et Physiques du Maroc, Rabat. Publishers: Gauthier-Villars, 55 Quai des Grands-Augustins, Paris.

U.R.S.I. Inform. Bull.

U.R.S.I. Information Bulletin. - 7 Place Emile Danco, Brussels.

Ukrayin. fiz. Zh.

Ukravins'kvi Fizychnyi Zhurnal. -- Akademiya Nauk Ukrayins'koyi R.S.R. Publication address: 3 vul. Ryepina,

Univ. Bergen Arbok

Universitet i Bergen Årbok. Naturvitenskapelig Rekke. - Bergen.

Uspekhi fiz. Nauk

Uspekhi Fizicheskikh Nauk. - Agent: Mezhdunarodnaya Kniga, Moscow. [A translation is published as: Soviet Physics-Uspekhi].

V.D.E. Fachber.

V.D.E. Fachberichte. — Verband Deutscher Elektrotechniker. Publication address: V.D.E. Verlag, Bismarckstrasse 33, Berlin-Charlottenburg 2.

V.D.I. Z.

V.D.I. Zeitschrift. - Verein Deutscher Ingenieure, Prinz Georg Strasse 77/79, Düsseldorf. Publisher: V.D.I.-Verlag, Bongardstrasse 3, Düsseldorf.

Vacuum. - Pergamon Press, Headington Hill Hall, Oxford; 122 East 55th Street, New York 22, N.Y.

Verhandl. K. Vlaamse Acad. Wetensch.

Verhandelingen van de Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België. - Paleis der Academiën, Hertogsstraat 1, Brussels.

Le Vide. - Société Française des Ingénieurs et Techniciens du Vide, 147 ter A, Boulevard de Strasbourg, Nogent-sur-Marne (Seine).

Voprosy energetiki

Voprosy énergetiki. — Akademiya Nauk Latviiskoi SSR, Kommunal'naya 4, Riga.

Voprosy Kosmog.

Voprosy Kosmogonii. - Akademiya Nauk SSSR, Lenin Prospekt, Moscow.

Votre Electricite

Votre Électricité. Bulletin de l'Union des Exploitations Electriques en Belgique. — 4 Galerie Ravenstein, Brussels 1.

W.S.W. tech. Ber.

W.S.W. Technische Berichte. - Siemens und Halske, Wiener Schwachstrom Werke, Apostelgasse 12, Vienna 3.

Water Power. - Tothill Press, 33 Tothill Street, London, S.W.1.

Westinghouse Engr

Westinghouse Engineer. - P.O. Box 2278, 3 Gateway Center, Pittsburgh 30, Pennsylvania.

Wireless Wld

Wireless World. - Hiffe and Sons, Dorset House, Stamford Street, London, S.E.1.

Wiss. Z. Hochsch. Elektrotech. Ilmenau

Wissenschaftliche Zeitschrift der Hochschule für Elektrotechnik Ilmenau. — Ilmenau, Germany.

Wiss. Z. Hochsch. Maschinenbau Karl-Marx-Stadt Wissenschaftliche Zeitschrift der Hochschule für Maschinenbau Karl-Marx-Stadt. - Karl-Marx-Stadt, Germany.

Wiss, Z. Tech. Hochsch, Dresden

Wissenschaftliche Zeitschrift der Technischen Hochschule Dresden. - Mommsenstrasse 13, Dresden, A 27.

Wood. - The Tothill Press, 33 Tothill Street, Westminster London, S.W.1.

World Power Conf., Gen. Rep. and Papers General Reports and Papers read before the World Power Conference. - The International Executive Council, 201-2 Grand Buildings, Trafalgar Square, London, W.C.2.

Z. angew. Math. Phys.

Zeitschrift für angewandte Mathematik und Physik - Verlag Birkhäuser, Elisabethenstrasse 15, Basel 10.

Z: angew. Phys.

Zeitschrift für angewandte Physik. - Springer-Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf; Neuenheimer Landstr. 28-30, Heidelberg.

Zeitschrift für Astrophysik. - Springer-Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf; Neuenheimer Landstrasse 28-30, Heidelberg.

Z. Elektrochem.

Zeitschrift für Elektrochemie. - Verlag Chemie, Weinheim/Bergstrasse.

Z. InstrumKde

Zeitschrift für Instrumentenkunde. - Friedr. Vieweg, Postfach 185, Burgplatz 1, Brunswick.

Zeitschrift für Kristallographie. - Holbeinstrasse 25-27, Frankfurt am Main.

Z. Naturforsch.

Zeitschrift für Naturforschung (a: Astrophysik, Physik und Physikalische Chemie). — (14b) Postfach 61, Tübingen.

Z. Phys.

Zeitschrift für Physik. - Springer-Verlag, Heidelberger Platz 3, Berlin-Wilmersdorf; Neuenheimer Landstrasse 28-30, Heidelberg

Z. phys. Chem. (Leipzig)

Zeitschrift für physikalische Chemie. - Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, Leipzig, C.1.

Z. wiss. Mikr

Zeitschrift für wissenschaftliche Mikroskopie und mikroskopische Technik. - S. Hirzel Verlag, Stuttgart.

Z. wiss. Photogr

Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie. - J.A. Barth, Salomonstrasse 18B, Leipzig, C.1.

Zh. eksper. teor. Fiz.

Zhurnal Éksperimentalnoi i Teoreticheskoi Fiziki. - Akademiya Nauk SSSR, Lenin Prospekt, Moscow [A translation is published as Soviet Physics — JETP].

Zh. tekh. Fiz.

Zhurnal Tekhnicheskoi Fiziki. - Akademiya Nauk SSSR, Lenin Prospekt, Moscow. [A translation is published as Soviet Physics. - Technical Physics].

ABSTRACTING JOURNALS

Abstracts signed with the following names are reproduced from other abstracting journals with the kind permission of the organizations concerned, to whom grateful acknowledgment is made.

Applied Mechanics Reviews

American Society of Mechanical Engineers, 29 West 39th St., New York 18, N.Y. Editorial Office: Southwest Research Institute, 8500 Culebra Road, San Antonio 6, Texas.

Associated Electrical Industries (Manchester)

Associated Electrical Industries (Manchester) Limited, Research Department Technical News Bulletin (Formerly: Metropolitan-Vickers Technical News Bulletin. — Trafford Park, Manchester 17.

Central Electricity Generating Board Digest Bankside House, Sumner Street, London, S.E.1.

Electrical Research Association

British Electrical and Allied Industries Research Association, Cleeve Road, Leatherhead, Surrey.

Inst. Internat. du Froid

Bulletin de l'Institut International du Froid. — 177 Boulevard Malesherbes, Paris 17.

Instrument Abstracts

Instrument Abstracts. (Formerly: Bulletin of the British Scientific Instrument Research Association). — Compiled by the British Scientific Instrument Research Association (SIRA) and published by Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4.

Mathematical Reviews

American Mathematical Society, 190 Hope Street, Providence 6, Rhode Island.

Metallurgical Abstracts

Institute of Metals, 17 Belgrave Square, London, S.W.1.

Meteorological and Geoastrophysical Abstracts

American Meteorological Society, 45 Beacon Street, Boston 8, Massachusetts.

Metropolitan-Vickers

Metropolitan-Vickers Technical News Bulletin. — Title changed to: Associated Electrical Industries (Manchester) Limited, Research Department Technical News Bulletin [Signature: Associated Electrical Industries (Manchester)].

Nuclear Science Abstracts

U.S. Atomic Energy Commission Office of Technical Information, P.O. Box 62, Oak Ridge, Tennessee. Obtainable from: U.S. Government Printing Office, Washington 25, D.C.

Photographic Abstracts

Royal Photographic Society of Great Britain, 16 Princes Gate, London, S.W.7.

Railway Engineering Abstracts

Published by The Institution of Civil Engineers in association with British Railways and London Transport Executive. Subscription address: Institution of Civil Engineers, Great George Street, Westminster, London, S.W.1.

Rheology Abstracts

Published for the British Society of Rheology by: Pergamon Press, 4 and 5 Fitzroy Square, London, W.1; 122 East 55th Street, New York 22, N.Y.

Science Abstracts of China

Science Abstracts of China (Sections: Mathematical and Physical Sciences; Chemistry and Chemical Technology; Biological Sciences; Earth Sciences; and Technical Sciences).

— The Institute of Scientific and Technical Information of China, 117 Chao Yang Men Street, Peking.

Scientific Instrument Research Association
Bulletin of the British Scientific Instrument Research
Association. — Title changed to: Instrument Abstracts.